Dear Customer:

Enclosed is the REVISED Material Safety Data Sheet for our product:

D-M-E PRO WELD

The products we distribute are not normally hazardous in their natural state. However, steel does contain elements deemed by OSHA to be hazardous when released by manufacturing, such as brazing, burning, grinding, sawing or welding, etc. Failure to control dust and fumes can result in chronic health problems.

We believe the information, supplied by the Manufacturer, on the enclosed MSDS to be accurate; however, D-M-E makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability for the information so presented.

Should you require additional information, please call or write the Manufacturer listed on the MSDS.

Sincerely yours,

D-M-E Company
Director of Operations
Ken Jasina

Revised: May 2005
Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200, Standard must be
consulted for specific requirement.

IDENTITY (As Used on Label and List)
No

Cat. No. MD-690 Steel strip (NAK90)

Section I
Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-Chome, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared
November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names (s))

<table>
<thead>
<tr>
<th>Compound</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni</td>
<td>3.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Si</td>
<td>0.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>0.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fe</td>
<td>94.239</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mn</td>
<td>0.001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cu</td>
<td>1.02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo</td>
<td>0.35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>0.63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>0.51</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is non-toxic, non-hazardous, non-flammable steel strip of ferrous alloy. It is supplied in the form of 0.1mm thick x 5mm width x 100mm length in a plastic bag (10pcs. a pack).
Chemical compositions by weight %

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Nil</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>7.8</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>Nil</td>
</tr>
<tr>
<td>Meltin Point</td>
<td>1530 °C</td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>Nil</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Soluble in Water: unsoluble
Appearance and Odor: bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>nil</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>nil</td>
</tr>
<tr>
<td>LEL</td>
<td>UEL</td>
</tr>
</tbody>
</table>

Extinguishing Media: nil
Special Fire Fighting Procedures: nil
Unusual Fire and Explosion Hazards: nil

(Reproduce locally)
1985 2005

OSHA 174, Sept.
5-8-86
Published by THE BUREAU OF NATIONAL AFFAIRS, INC. Washington, D.C. 20007
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation</th>
<th>Skin</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure nil

Medical Conditions

Generally aggravated by Exposure nil

Emergency and First Aid Procedures

Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled

Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing

Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)

Nil

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical (General)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves nil

Eye protection a pair of glasses

Other Protective Clothing or Equipment

Nil

Work/Hygienic Practices nil
Material Safety Data Sheet
Maybe used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirement.
IDENTITY (As Used on Label and List)
cat.no. MA-50 Steel strip (NTA1)
Section I
Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.
Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN
Emergency Telephone Number
03- 3804-6760
Telephone number for information
03- 3804-6760
Date Prepared, November 10, 2004
Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity information
Hazardous Components (Specific Chemical Identity, Common Names (s)) OSHA PEL ACGIH TLV Other Limits Recommended % (optional)
It is non-toxic, non-hazardous, non-flammable steel strip of nickel-terrous alloy.
It is supplied in the form of 0.1mm thick x 30mm width x 70mm length in a plastic bag (10pcs. a pack).
Chemical compositions by weight %
Ni .......... 74.10
Cr .......... 15.00
Si .......... 5.00
C .......... 0.30
B .......... 0.60
Fe .......... 5.00

Section III - Physical/Chemical Characteristics
Boiling Point Nil Specific Gravity (H2O=1) 7.8
Vapor Pressure (mm Hg.) Nil Meltint Point 1.530 °C
Vapor Density (AIR=1) Nil Evaporation Rate (Butyl Acetate = 1) nil
Soluble in Water unsoluble
Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data
Flash Point (Method Used) nil Flammable Limits nil LEL UEL
Extinguishing Media nil
Special Fire Fighting Procedures nil
Unusual Fire and Explosion Hazards nil
(Reproduce locally)
OSHA 174, Sept. 1985 5-8-86
Published by THE BUREAU OF NATIONAL AFFAIRS, INC. Washington, D.C. 20037
2005
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will Not Occur</td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route(s) of Entry

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions

Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)

Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil

Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil

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Occupational Safety & Health Reporter 14
Material Safety Data Sheet

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4–10, 6–CHOME, HIGASHI–KASAI
EDOGAWA–KU, TOKYO 134, JAPAN

Emergency Telephone Number
03–3804–6760

Telephone number for information
03–3804–6760

Date Prepared,
November 10, 2004

Signature of Preparer (Optional)

Section II — Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity, Common Names (s))
OSHA PEL ACGIH TLV

It is non–toxic, non–hazardous, non–flammable steel strip of nickel–ferrous alloy.
It is supplied in the form of 0.2mm thick x 30mm width x 70mm length in a plastic bag (10pcs. a pack).
Chemical compositions by weight %

<table>
<thead>
<tr>
<th>Element</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni</td>
<td>74.10</td>
</tr>
<tr>
<td>Cr</td>
<td>15.00</td>
</tr>
<tr>
<td>Si</td>
<td>5.00</td>
</tr>
<tr>
<td>C</td>
<td>0.30</td>
</tr>
<tr>
<td>B</td>
<td>0.60</td>
</tr>
<tr>
<td>Fe</td>
<td>5.00</td>
</tr>
</tbody>
</table>

Other Limits
Recommended % (optional)

Section III — Physical/Chemical Characteristics

Boiling Point
Nil
Specific Gravity (H2O=1)
7.8

Vapor Pressure (mm Hg.)
Nil
Meltint Point
1.530 °C

Vapor Density (AIR=1)
Nil
Evaporation Rate
Butyl Acetate = 1

Soluble in Water
unsoluble

Appearance and Odor
bright steel color and no odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)
nil

Flammable Limits
nil
LEL
UEL

Extinguishing Media
nil

Special Fire Fighting Procedures
nil

Unusual Fire and Explosion Hazards
nil

(OSHA 174, Sept. 1985)

5–8–86

Published by THE BUREAU OF NATIONAL AFFAIRS, INC. Washington, D.C.20037

2005
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route(s) of Entry

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions

Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)

| Nil |

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Nil</th>
<th>Special</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other</td>
<td>nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil

Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity, Common Names (s))
OSHA PEL ACGIH TLV

<table>
<thead>
<tr>
<th>Chemical Compositions by weight %</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni 0.12</td>
<td></td>
</tr>
<tr>
<td>Cr 4.06</td>
<td></td>
</tr>
<tr>
<td>Si 0.36</td>
<td></td>
</tr>
<tr>
<td>C 0.90</td>
<td></td>
</tr>
<tr>
<td>Fe 80.624</td>
<td></td>
</tr>
<tr>
<td>Mn 0.24</td>
<td></td>
</tr>
<tr>
<td>P 0.024</td>
<td></td>
</tr>
<tr>
<td>S 0.012</td>
<td></td>
</tr>
<tr>
<td>Cu 0.18</td>
<td></td>
</tr>
<tr>
<td>Mo 4.89</td>
<td></td>
</tr>
<tr>
<td>W 5.57</td>
<td></td>
</tr>
<tr>
<td>V 2.12</td>
<td></td>
</tr>
<tr>
<td>Co 0.90</td>
<td></td>
</tr>
</tbody>
</table>

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Nil</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>7.8</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>Nil</td>
</tr>
<tr>
<td>Meltint Point</td>
<td></td>
</tr>
<tr>
<td>1.530 °C</td>
<td></td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>Nil</td>
</tr>
<tr>
<td>Evaporaton Rate (Butyl Acetate = 1)</td>
<td>Nil</td>
</tr>
<tr>
<td>Soluble in Water</td>
<td>unsoluble</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>bright steel color and no odor</td>
</tr>
</tbody>
</table>

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) nil

<table>
<thead>
<tr>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td>nil</td>
<td>nil</td>
</tr>
</tbody>
</table>

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route (s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? IARC Monographs? OSHA regulated?

<table>
<thead>
<tr>
<th></th>
<th>Nil</th>
<th>Nil</th>
<th>Nil</th>
</tr>
</thead>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions Generally aggravated by Exposure Nil

Emergency and First Aid Procedures
Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)
Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Nil</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirement.

IDENTITY (As Used on Label and List)
cat.no. MPS-11 Steel powder (SP11)

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names (s))
OSHA PEL ACGIH TLV Other Limits
It is non-toxic, non-hazardous, non-flammable steel powder of ferrous alloy.
It is supplied in 50 grams plastic container.
Chemical compositions by weight %

<table>
<thead>
<tr>
<th>Element</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni</td>
<td>0.07</td>
</tr>
<tr>
<td>Cr</td>
<td>2.15</td>
</tr>
<tr>
<td>Si</td>
<td>0.29</td>
</tr>
<tr>
<td>C</td>
<td>1.49</td>
</tr>
<tr>
<td>Fe</td>
<td>83.937</td>
</tr>
<tr>
<td>Mn</td>
<td>0.39</td>
</tr>
<tr>
<td>P</td>
<td>0.009</td>
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<tr>
<td>S</td>
<td>0.004</td>
</tr>
<tr>
<td>Cu</td>
<td>0.03</td>
</tr>
<tr>
<td>Mo</td>
<td>1.03</td>
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<tr>
<td>W</td>
<td>0.30</td>
</tr>
<tr>
<td>V</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Section III – Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Nil</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>7.8</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>Nil</td>
</tr>
<tr>
<td>Meltint Point</td>
<td></td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>Nil</td>
</tr>
<tr>
<td>Evaporaton Rate (Butyl Acetate = 1)</td>
<td>Nil</td>
</tr>
<tr>
<td>Soluble in Water</td>
<td>unsoluble</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>bright steel color and no odor</td>
</tr>
</tbody>
</table>

Section IV – Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Flash Point (Method Used)</td>
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<tr>
<td>Flammable Limits</td>
<td>nil</td>
</tr>
<tr>
<td>LEL</td>
<td></td>
</tr>
<tr>
<td>UEL</td>
<td></td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>nil</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>nil</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>nil</td>
</tr>
</tbody>
</table>

(Reproduce locally) 2005

OSHA 174, Sept. 1985
Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
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</thead>
<tbody>
<tr>
<td>Stable</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will Not Occur</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
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</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions
Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII - Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type) Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Special</th>
<th>Mechanical (General)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td></td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil

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Occupational Safety & Health Reporter 14

2005
Material Safety Data Sheet

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form approved
OMB No.1218-0072

IDENTITY (As Used on Label and List)
Note: Blank spaces are not permitted. If any items is not applicable or no information is available, the space must be marked to indicate that

Cat no. MPS-12 Steel powder (SP61)

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity, Common Names (s)) OSHA PEL ACGIH TLV Other Limits Recommended % (optional)

It is non-toxic, non-hazardous, non-flammable stainless steel powder of Chromium-ferrous alloy.
It is supplied in 50 grams plastic container.
Chemical compositions by weight %

C ............ 0.42
Si ............ 1.20
Cr ............ 5.50
Mn ............ 0.5
P ............ 0.03
S ............ 0.03
Mo ............ 1.50
V ............ 1.20
Fe ........ 89.65

Section III - Physical/Chemical Characteristics

Boiling Point Nil Specific Gravity (H2O = 1) 7.8
Vapor Pressure (mm Hg.) Nil Meltint Point 1.530 °C
Vapor Density (AIR=1) Nil Evaporaton Rate (Butyl Acetate = 1) Nil

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) nil Flammable Limits nil LEL UEL

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil

(Reproduce locally) 2005

OSHA 174, Sept. 1985
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions

Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type) Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Nil</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet  
May be used to comply with 
OSHA's Hazard Communication Standard. 
29 CFR 1910.1200. Standard must be 
consulted for specific requirements. 
IDENTITY (As Used on Label and List)  
Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that 
cat.no.MP-67 Steel powder (N11 – SKD11) 

Section I 
Manufacturer's Name  
JAPAN TECHNO ENGINEERING CO., LTD. 
Emergency Telephone Number  
03-3804-6760 

Address (Number, Street, City, State and ZIP code)  
201, 4-10, 6-CHOME, HIGASHI-KASAI 
EDOGAWA-KU, TOKYO 134, JAPAN 
Telephone number for information  
03-3804-6760 

Date Prepared,  
November 10, 2004 

Signature of Preparer  
(Optional) 

Section II – Hazardous Ingredients/Identity information 

Hazardous Components (Specific Chemical Identity, Common Names(s))  
OSHA PEL  
ACGIH TLV  
Recommended  
% (optional) 

It is non-toxic, non-hazardous, non-flammable steel powder of ferrous alloy. 
It is supplied in 50 grams plastic container. 
Chemical compositions by weight % 

Ni ........ 0.07 
Cr ........... 12.15 
Si ........... 0.29 
C ........... 1.49 
Fe .......... 83.937 
Mn .......... 0.39 
P .......... 0.009 
S .......... 0.004 
Cu .......... 0.03 
Mo .......... 1.03 
W .......... 0.30 
V .......... 0.30 

Section III – Physical/Chemical Characteristics 

Boiling Point  
Nil  
Specific Gravity (H2O=1)  
7.8 

Vapor Pressure (mm Hg.)  
Nil  
Meltint Point  
1.530 °C 

Vapor Density (AIR=1)  
Nil  
Evaporaton Rate  
(Butyl Acetate = 1)  
Nil 

Soluble in Water  
unsoluble 

Appearance and Odor  
bright steel color and no odor 

Section IV – Fire and Explosion Hazard Data 

Flash Point (Method Used)  
nil  
Flammable Limits  
nil  
LEL  
UEL 

Extinguishing Media  
nil 

Special Fire Fighting Procedures  
nil 

Unusual Fire and Explosion Hazards  
nil 

(OSHA 174, Sept. 1985) 
5-8-86 

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Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
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</thead>
<tbody>
<tr>
<td>Stable</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? IARC Monographs? OSHA regulated?
Nil Nil Nil Nil

Signs and Symptoms of Exposure Nil

Medical Conditions
Generally aggravated by Exposure Nil

Emergency and First Aid Procedures
Nil

Section VII - Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled
Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type)
Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Mechanical</td>
<td>Nil</td>
<td>Other</td>
</tr>
<tr>
<td>(General)</td>
<td></td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil

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Material Safety Data Sheet

IDENTITY (As Used on Label and List)

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared,
November 10, 2004

Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity, Common Names (s))

It is non-toxic, non-hazardous, non-flammable stainless steel powder of Nickel-Chromium-ferrous alloy.

Chemical compositions by weight %

Cr ....... 13.00
Mo ....... 0.50
C ........ 0.40
V ........ 0.03
Fe ....... 86.070

Section III – Physical/Chemical Characteristics

Boiling Point
Nil

Specific Gravity (H2O=1)
7.8

Vapor Pressure (mm Hg.)
Nil

Meltint Point
1.530 °C

Vapor Density (AIR=1)
Nil

Evaporaton Rate
(Butyl Acetate = 1)

Soluble in Water
unsoluble

Appearance and Odor
bright steel color and no odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)
nil

Flammable Limits
nil

LEL

UEL

Extinguishing Media
nil

Special Fire Fighting Procedures

Unusual Fire and Explosion Hazards
nil

(Reproduce locally)

OSHA 174, Sept. 1985

5–8–86 2005

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Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
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</thead>
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<td></td>
</tr>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions

Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type) Nil

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
<th>Mechanical (General)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil

Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet
Maybe used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200, Standard must be
consulted for specific requirement.
IDENTITY (As Used on Label and List)
cat. no. MP-73 Steel powder (N39)

Section I
Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004
Signature of Preparer (Optional)

Section II — Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity, Common Names (s)) OSHA PEL ACGIH TLV Other Limits Recommended % (optional)
Cr ...........14.00
Mo ..........0.40
C ........... 0.40
V ........... 0.03
Fe ..........86.160

It is non-toxic, non-hazardous, non-flammable stainless steel powder of Nickel-Chromium-ferrous alloy.
It is supplied in 50 grams plastic container.
Chemical compositions by weight %

Section III — Physical/Chemical Characteristics

Boiling Point Nil Specific Gravity (H2O=1) 7.8
Vapor Pressure (mm Hg.) Nil Meltint Point 1.530 °C
Vapor Density (AIR=1) Nil Evaporaton Rate (Butyl Acetate = 1) Nil

Soluble in Water unsoluble
Appearance and Odor bright steel color and no odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) nil Flammable Limits nil LEL UEL

Extinguishing Media nil
Special Fire Fighting Procedures nil
Unusual Fire Fighting Hazards nil

OSHA 174, Sept. 1985
Published by THE BUREAU OF NATIONAL AFFAIRS, INC. Washington, D.C.20037
2005
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable Conditions to Avoid</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Stable x</td>
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</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization May Occur Conditions to Avoid nil

Polymerization Will Not Occur x

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
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<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions
Generally aggravated by Exposure Nil

Emergency and First Aid Procedures

Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled

Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)

Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Nil</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirement.

IDENTITY (As Used on Label and List)

<table>
<thead>
<tr>
<th>cat.no.</th>
<th>MP–60 Steel powder (N40)</th>
</tr>
</thead>
</table>

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03–3804–6760

Address (Number, Street, City, State and ZIP code)
201, 4–10, 6–CHOME, HIGASHI–KASAI
EDOGAWA–KU, TOKYO 134, JAPAN

Telephone number for information
03–3804–6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names (s))

<table>
<thead>
<tr>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Recommended % (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni ....... 84.97</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cr ....... 5.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Si ....... 6.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C ....... 0.03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B ....... 0.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fe ....... 3.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is non–toxic, non–hazardous, non–flammable stainless steel powder of Nickel–Chromium–ferrous alloy.

Chemical compositions by weight %

Section III – Physical/Chemical Characteristics

| Boiling Point | 7.8 | Specific Gravity (H2O=1) |
| Vapour Pressure (mm Hg.) | Nil | Meltint Point |
| 1.530 °C | |
| Vapour Density (AIR=1) | Nil | Evaporation Rate |
| (Butyl Acetate = 1) | Nil | |

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV – Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
</table>

Extinguishing Media

| nil |

Special Fire Fighting Procedures

| nil |

Unusual Fire and Explosion Hazards

| nil |

Note: Blank spaces are not permitted. If any items is not applicable or no information is available, the space must be marked to indicate that.

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OSHA 174, Sept. 1985
Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td></td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? IARC Monographs? OSHA regulated?
Nil Nil Nil

Signs and Symptoms of Exposure Nil

Medical Conditions Generally aggravated by Exposure Nil

Emergency and First Aid Procedures
Nil

Section VII - Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type) Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Special</th>
<th>Mechanical (General)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil

Page 2

Occupational Safety & Health Reporter 14

2005
Material Safety Data Sheet

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form approved
OMB No.1218-0072

IDENTITY (As Used on Label and List)

Note: Blank spaces are not permitted. If any items is not applicable or no information is available, the space must be marked to indicate that

cat.no.MP-62 Steel powder (N50)

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))
OSHA PEL ACGIH TLV
Other Limits Recommended % (optional)

It is non-toxic, non-hazardous, non-flammable stainless steel powder of Nickel-Chromium-ferrous alloy.
It is supplied in 50 grams plastic container.
Chemical compositions by weight %

Ni .......... 81.55
Cr .......... 8.00
Si .......... 4.50
C .......... 0.05
B .......... 2.90
Fe .......... 3.00

Section III - Physical/Chemical Characteristics

Boiling Point
Nil
Specific Gravity (H2O=1) 7.8

Vapor Pressure (mm Hg.)
Nil
Meltint Point 1.530 °C

Vapor Density (AIR=1)
Nil
Evaporatation Rate (Butyl Acetate = 1) Nil

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) nil

<table>
<thead>
<tr>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Extinguishing Media
nil

Special Fire Fighting Procedures
nil

Unusual Fire and Explosion Hazards
nil

(Reproduce locally) 2005

OSHA 174, Sept. 1985
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)  nil

Hazardous Decomposition or Byproducts  nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>May Occur</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic)  Nil

Carcinogenicity  NTP?  IARC Monographs?  OSHA regulated?
Nil  Nil  Nil  Nil

Signs and Symptoms of Exposure  Nil

Medical Conditions
Generally aggravated by Exposure  Nil

Emergency and First Aid Procedures  Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled  Nil

Waste Disposal Method  Disposable as common refuse.

Precautions to Be Taken in Handling and Storing  Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)  Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Nil</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves  Nil  Eye protection  A pair of glasses

Other Protective Clothing or Equipment  Nil

Work/Hygienic Practices  Nil
Material Safety Data Sheet

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form approved
OMB No.1218-0072

IDENTITY (As Used on Label and List)

Note: Blank spaces are not permitted. If any items is not applicable or no information is available, the space must be marked to indicate that

cat_no.MP-68 Steel powder (N5I)

Section I

Manufacturer’s Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity, Common Names (s))
OSHA PEL ACGIH TLV Recommended % (optional)

It is non-toxic, non-hazardous, non-flammable stainless steel powder of Chromium-ferrous alloy.
It is supplied in 50 grams plastic container.
Chemical compositions by weight %

<table>
<thead>
<tr>
<th>C</th>
<th>0.42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Si</td>
<td>1.20</td>
</tr>
<tr>
<td>Cr</td>
<td>5.50</td>
</tr>
<tr>
<td>Mn</td>
<td>0.5</td>
</tr>
<tr>
<td>P</td>
<td>0.03</td>
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<tr>
<td>S</td>
<td>0.03</td>
</tr>
<tr>
<td>Mo</td>
<td>1.50</td>
</tr>
<tr>
<td>Fe</td>
<td>89.65</td>
</tr>
</tbody>
</table>

Section III – Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Nil</th>
<th>Specific Gravity (H2O=1)</th>
<th>7.8</th>
</tr>
</thead>
</table>

Vapor Pressure (mm Hg.) | Nil | Meltint Point | 1.530 °C |
Vapor Density (AIR=1) | Nil | Evaporaton Rate |  |
|                        |     | (Butyl Acetate = 1) | Nil |

Soluble in Water unsoluble
Appearance and Odor bright steel color and no odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) nil Flammable Limits nil LEL UEL
Extinguishing Media nil
Special Fire Fighting Procedures nil
Unusual Fire and Explosion Hazards nil

(Reproduce locally) 2005
OSHA 174, Sept. 1985
5-8-86
Published by THE BUREAU OF NATIONAL AFFAIRS, INC. Washington, D.C.20037
Section V — Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)  nil

Hazardous Decomposition or Byproducts  nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Section VI — Health Hazard Data

Route(s) of Entry

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Skin</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic)  Nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure  Nil

Medical Conditions

Generally aggravated by Exposure  Nil

Emergency and First Aid Procedures  Nil

Section VII — Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled  Nil

Waste Disposal Method  disposable as common refuse.

Precautions to Be Taken in Handling and Storing  Nil

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type)  Nil

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Mechanical (General)  Nil

Other  Nil

Protective Gloves  Nil

Eye protection  a pair of glasses

Other Protective Clothing or Equipment  Nil

Work/Hygienic Practices  Nil
Material Safety Data Sheet

IDENTITY  ( As Used on Label and List )
cat no. MP-63 Steel powder  ( N13 )

Section I
Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address  ( Number, Street, City, State and ZIP code )
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer  ( Optional )

Section II - Hazardous Ingredients/Identity information

Hazardous Components  ( Specific Chemical Identity, Common Names ( s ) )
OSHA PEL  ACGIH TLV Other Limits

It is non-toxic, non-hazardous, non-flammable stainless steel powder of Nickel-Chromium-ferrous alloy.
It is supplied in 50 grams plastic container.
Chemical compositions by weight %

Ni ........... 87.85
Cr ........... 5.00
Si ........... 3.60
C ........... 0.15
B ........... 1.40
Fe .......... 2.00

Section III - Physical/Chemical Characteristics

Boiling Point Nil Specific Gravity ( H2O = 1 ) 7.8
Vapor Pressure ( mm Hg. ) Nil Meltint Point 1.530 °C
Vapor Density ( AIR = 1 ) Nil Evaporation Rate ( Butyl Acetate = 1 ) Nil

Soluble in Water unsoluble
Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point ( Method Used ) nil Flammable Limits LEL UEL
Extinguishing Media nil
Special Fire Fighting Procedures nil
Unusual Fire and Explosion Hazards nil

( Prepared: November 10, 2004 )
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)  nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route(s) of Entry.  Inhalation?  Skin?  Ingestion?

| Nil | Nil | Nil |

Health Hazards (Acute and Chronic)  Nil

Carcinogenicity  NTP?  IARC Monographs?  OSHA regulated?

| Nil | Nil | Nil |

Signs and Symptoms of Exposure  Nil

Medical Conditions
Generally aggravated by Exposure  Nil

Emergency and First Aid Procedures  Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled  Nil

Waste Disposal Method  disposable as common refuse.

Precautions to Be Taken in Handling and Storing  Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)  Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Nil</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves  Nil  Eye protection  a pair of glasses

Other Protective Clothing or Equipment  Nil

Work/Hygienic Practices  Nil
Material Safety Data Sheet
May be used to comply with OSHA's Hazard Communication Standard. 29 CFR 1910.1200. Standard must be consulted for specific requirement.

IDENTITY ( As Used on Label and List )
cat.no.MP-61 Steel powder ( N90 )

Section I
Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address ( Number, Street, City, State and ZIP code )
201, 4-10, 6-CHOME, HIGASHI-KASAI EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer ( Optional )

Section II – Hazardous Ingredients/Identity information

Hazardous Components ( Specific Chemical Identity, Common Names ( s ) )
It is non-toxic, non-hazardous, non-flammable stainless steel powder of Nickel-Chromium-ferrous alloy. It is supplied in 50 grams plastic container. Chemical compositions by weight %

Ni .......... 74.10
Cr .......... 15.00
Si .......... 5.00
C .......... 0.30
B .......... 0.60
Fe .......... 5.00

OSHA PEL ACGIH TLV Recommended % ( optional )

Section III – Physical/Chemical Characteristics

Boiling Point Nil Specific Gravity ( H2O=1 ) 7.8
Vapor Pressure ( mm Hg. ) Nil Meltint Point 1.530 °C
Vapor Density ( AIR=1 ) Nil Evaporaton Rate ( Butyl Acetate = 1 ) Nil

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV – Fire and Explosion Hazard Data

Flash Point ( Method Used ) nil Flammable Limits nil LEL UEL
Extinguishing Media nil
Special Fire Fighting Procedures nil
Unusual Fire and Explosion Hazards nil
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>x</td>
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<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) nil

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure nil

Medical Conditions
Generally aggravated by Exposure nil

Emergency and First Aid Procedures

Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)
Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Special</th>
<th>Mechanical (General)</th>
<th>Other</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment
Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet

IDENTITY (As Used on Label and List)
no

cat no. MPS-17 Steel powder (N14)

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared,
November 10, 2004

Signature of Preparer (Optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names (s))
It is non-toxic, non-hazardous, non-flammable stainless steel powder of Chromium-ferrous alloy.
It is supplied in 50 grams plastic container.
Chemical compositions by weight %

<table>
<thead>
<tr>
<th>Element</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>C</td>
<td>0.18</td>
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<tr>
<td>Si</td>
<td>0.35</td>
</tr>
<tr>
<td>Cr</td>
<td>1.20</td>
</tr>
<tr>
<td>Mn</td>
<td>1.50</td>
</tr>
<tr>
<td>P</td>
<td>0.03</td>
</tr>
<tr>
<td>S</td>
<td>0.03</td>
</tr>
<tr>
<td>Mo</td>
<td>0.30</td>
</tr>
<tr>
<td>Fe</td>
<td>96.71</td>
</tr>
</tbody>
</table>

Other Limits

OSHA PEL

ACGIH TLV

Recommended %

Section III—Physical/Chemical Characteristics

Boiling Point
Nil
Specific Gravity (H2O=1) 7.8

Vapor Pressure (mm Hg.)
Nil
Meltint Point 1.530 °C

Vapor Density (AIR=1)
Nil
Evaporation Rate (Butyl Acetate = 1) Nil

Soluble in Water
unsoluble

Appearance and Odor
bright steel color and no odor

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)
nil

Extinguishing Media
nil

Special Fire Fighting Procedures
nil

Unusual Fire and Explosion Hazards
nil

(Reproduce locally) 2005

OSHA 174, Sept. 1985

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form approved
OMB No.1218-0072
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route(s) of Entry
- Inhalation? Nil
- Skin? Nil
- Ingestion? Nil

Health Hazards (Acute and Chronic) Nil

Carcinogenicity
- NTP? Nil
- IARC Monographs? Nil
- OSHA regulated? Nil

Signs and Symptoms of Exposure Nil

Medical Conditions
- Generally aggravated by Exposure Nil

Emergency and First Aid Procedures
- Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled
- Nil

Waste Disposal Method
disposable as common refuse.

Precautions to Be Taken in Handling and Storing
- Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)
- Nil

Ventilation
- Local Exhaust Nil
- Mechanical (General) Nil
- Special Nil
- Other Nil

Protective Gloves
- Nil
- Eye protection a pair of glasses

Other Protective Clothing or Equipment
- Nil

Work/Hygienic Practices
- Nil
Material Safety Data Sheet

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-Chome, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared,
November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))
Non-toxic, non-hazardous, non-flammable steel strip of nickel-chrome-ferrous alloy.
Chemical compositions by weight %

Ni ......... 6.0
Cr ......... 16.00
Si .......... 1.0
C .......... 0.15
Mn .......... 2.0
P .......... 0.45
S .......... 0.030
Fe .......... 74.765

Section III - Physical/Chemical Characteristics

Boiling Point
Nil

Specific Gravity (H2O=1)
7.8

Vapor Pressure (mm Hg.)
Nil

Meltin Point
1.530 °C

Vapor Density (AIR=1)
Nil

Evaporation Rate
(Butyl Acetate = 1)

Nil

Soluble in Water
unsoluble

Appearance and Odor
bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)
nil

Flammable Limits
nil

LEL

UEL

Extinguishing Media
nil

Special Fire Fighting Procedures
nil

Unusual Fire and Explosion Hazards
nil

(Reproduce locally) 2005

OSHA 174, Sept. 2005
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td>nil</td>
</tr>
<tr>
<td>Stable</td>
<td>x</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)  nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route (s) of Entry

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? IARC Monographs? OSHA regulated?

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions
Generally aggravated by Exposure Nil

Emergency and First Aid Procedures
Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled
Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing
Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)
Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical (General)</th>
<th>Special</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form approved
OMB No.1218-0072

Identity (As Used on Label and List)
No

Cat. No. MPS-18 Steel powder (N15)

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-Chome, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared
November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity, Common Names (s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Recommended</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>It is non-toxic, non-hazardous, non-flammable stainless steel powder of Chromium-ferrous alloy. It is supplied in 50 grams plastic container. Chemical compositions by weight %</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C ............ 0.35</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Si ............ 0.35</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cr ............ 1.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mn ............ 0.65</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P ............ 0.03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S ............ 0.03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cu ............ 0.30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ni ........ 3.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fe ........ 94.29</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Nil</th>
<th>Specific Gravity (H2O=1)</th>
<th>7.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>Nil</td>
<td>Meltint Point</td>
<td>1.530 °C</td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>Nil</td>
<td>Evaporation Rate</td>
<td>Nil</td>
</tr>
<tr>
<td>(Butyl Acetate = 1)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Soluble in Water
unsoluble

Appearance and Odor
bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td>nil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Extinguishing Media
nil

Special Fire Fighting Procedures
nil

Unusual Fire and Explosion Hazards
nil

(Renroduce locally) 2005
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stable</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions
Generally aggravated by Exposure Nil

Emergency and First Aid Procedures
Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled
Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing
Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)
Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Mechanical (General)</th>
<th>Special</th>
<th>Other</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Protective Gloves Nil

Eye protection a pair of glasses

Other Protective Clothing or Equipment
Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirement.

IDENTITY (As Used on Label and List)

cat.no.MPS-19 Steel powder (N16)

Section I
Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-Chome, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared
November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>0.23</td>
</tr>
<tr>
<td>Si</td>
<td>0.35</td>
</tr>
<tr>
<td>Cr</td>
<td>0.65</td>
</tr>
<tr>
<td>Mn</td>
<td>0.90</td>
</tr>
<tr>
<td>P</td>
<td>0.03</td>
</tr>
<tr>
<td>S</td>
<td>0.03</td>
</tr>
<tr>
<td>Cu</td>
<td>0.30</td>
</tr>
<tr>
<td>Ni</td>
<td>0.70</td>
</tr>
<tr>
<td>Mo</td>
<td>0.30</td>
</tr>
<tr>
<td>Fe</td>
<td>96.51</td>
</tr>
</tbody>
</table>

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Nil</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>7.8</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>Nil</td>
</tr>
<tr>
<td>Melt Point</td>
<td>1.530 °C</td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>Nil</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>(Butyl Acetate = 1)</td>
</tr>
</tbody>
</table>

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) nil

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil

(Reproduce locally) 2005
Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td></td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry.</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) nil

Carcinogenicity NTP? IARC Monographs? OSHA regulated?

| Nil | Nil | Nil |

Signs and Symptoms of Exposure nil

Medical Conditions

Generally aggravated by Exposure nil

Emergency and First Aid Procedures nil

Section VII - Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled

Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing nil

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type) nil

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical (General)</td>
<td>Other</td>
</tr>
</tbody>
</table>

| Nil | Nil |

Protective Gloves

<table>
<thead>
<tr>
<th>Eye protection</th>
<th>a pair of glasses</th>
</tr>
</thead>
</table>

Other Protective Clothing or Equipment

Nil

Work/Hygienic Practices

Nil
Material Safety Data Sheet

Maybe used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirement.

IDENTITY ( As Used on Label and List )
cat.no- MP-71 Steel powder (NS5 )

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address ( Number, Street, City, State and ZIP code )
201, 4- 10, 6- CHOME, HIGASHI- KASAI
EDOGAWA- KU, TOKYO 134, JAPAN

Emergency Telephone Number
03- 3804- 6760

Telephone number for information
03- 3804- 6760

Date Prepared, November 10, 2004

Signature of Preparer ( Optional )

Section II - Hazardous Ingredients/Identity information

Hazardous Components ( Specific Chemical Identity, Common Names ( a ) )
OSHA PEL ACGIH TLV
It is non- toxic, non- hazardous, non- flammable steel powder of ferrous alloy.
Recommended % ( optional )
Chemical compositions by weight %

<table>
<thead>
<tr>
<th>Element</th>
<th>Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni</td>
<td>3.02</td>
</tr>
<tr>
<td>Si</td>
<td>0.14</td>
</tr>
<tr>
<td>C</td>
<td>0.10</td>
</tr>
<tr>
<td>Fe</td>
<td>94.290</td>
</tr>
<tr>
<td>Mn</td>
<td>0.01</td>
</tr>
<tr>
<td>Cu</td>
<td>1.04</td>
</tr>
<tr>
<td>Mo</td>
<td>0.35</td>
</tr>
<tr>
<td>Al</td>
<td>0.55</td>
</tr>
<tr>
<td>O</td>
<td>0.50</td>
</tr>
</tbody>
</table>

Section III - Physical/Chemical Characteristics

Boiling Point | Nil | Specific Gravity ( H2O=1 ) | 7.8
Vapor Pressure ( mm Hg. ) | Nil | Meltint Point | 1.530 °C
Vapor Density ( AIR=1 ) | Nil | Evaporaton Rate ( Butyl Acetate = 1 ) | Nil

Soluble in Water | unsoluble |
Appearance and Odor | bright steel color and no odor |

Section IV - Fire and Explosion Hazard Data

Flash Point ( Method Used ) | nil |

Extinguishing Media | nil |
Special Fire Fighting Procedures | nil |
Unusual Fire and Explosion Hazards | nil |

( Reproduce locally )

OSHA 174, Sept. 1985

5- 8- 86

Published by THE BUREAU OF NATIONAL AFFAIRS, INC. Washington, D.C. 20037
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)  nil

Hazardous Decomposition or Byproducts  nil

<table>
<thead>
<tr>
<th>Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic)  Nil

Carcinogenicity  NTP?

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure  Nil

Medical Conditions

<table>
<thead>
<tr>
<th>Generally aggravated by Exposure</th>
<th>Nil</th>
</tr>
</thead>
</table>

Emergency and First Aid Procedures  Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled  Nil

Waste Disposal Method  disposable as common refuse.

Precautions to Be Taken in Handling and Storing  Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)  Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Nil</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves  Nil

<table>
<thead>
<tr>
<th>Protective Gloves</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye protection</td>
<td>a pair of glasses</td>
</tr>
</tbody>
</table>

Other Protective Clothing or Equipment  Nil

Work/Hygienic Practices  Nil
Material Safety Data Sheet
Maybe used to comply with OSHA's Hazard Communication Standard.

IDENTITY (As Used on Label and List)
no

cat no M-01 Steel strip (NT6)

Section I
Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-Chome, HIGASHI-KASAI EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared
November 10, 2004

Signature of Preparer

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names (s))

OSHA PEL ACGIH TLV Other Limits Recommended %

( optional )
It is non-toxic, non-hazardous, non-flammable steel strip of ferrous alloy.
It is supplied in the form of 0.2mm thick x 5mm width x 100mm length in a plastic bag (10pcs. a pack).
Chemical compositions by weight %
C .......... 0.18
Si .......... 0.65
Cr .......... 0.75
Mn .......... 1.25
P .......... 0.035
S .......... 0.035
Cu .......... 0.50
Ni .......... 0.30
Fe .......... 96.30

Section III - Physical/Chemical Characteristics

Boiling Point Nil Specific Gravity (H2O=1) 7.8

Vapor Pressure (mm Hg.) Nil Meltint Point 1.530 °C

Vapor Density (AIR=1) Nil Evaporation Rate (Butyl Acetate = 1) Nil

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data
Flash Point (Method Used) nil

Flammable Limits nil LEL UEL

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route(s) of Entry: Inhalation? Nil, Skin? Nil, Ingestion? Nil

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? Nil, IARC Monographs? Nil, OSHA regulated? Nil

Signs and Symptoms of Exposure Nil

Medical Conditions Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type) Nil

Ventilation Local Exhaust Nil, Special Nil, Mechanical (General) Nil, Other Nil

Protective Gloves Nil, Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
**Material Safety Data Sheet**

**Section I**

**Manufacturer's Name**
JAPAN TECHNO ENGINEERING CO., LTD.

**Address**
201, 4-10, 6-Chome, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

**Emergency Telephone Number**
03-3804-6760

**Date Prepared**
November 10, 2004

**Signature of Preparer**

---

**Section II — Hazardous Ingredients/Identity Information**

**Hazardous Components**

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni</td>
<td>6.0</td>
</tr>
<tr>
<td>Cr</td>
<td>16.00</td>
</tr>
<tr>
<td>Si</td>
<td>1.0</td>
</tr>
<tr>
<td>C</td>
<td>0.15</td>
</tr>
<tr>
<td>Mn</td>
<td>2.0</td>
</tr>
<tr>
<td>P</td>
<td>0.45</td>
</tr>
<tr>
<td>S</td>
<td>0.030</td>
</tr>
<tr>
<td>Fe</td>
<td>74.765</td>
</tr>
</tbody>
</table>

It is non-toxic, non-hazardous, non-flammable steel strip of nickel-Chrome-ferrous alloy.

- It is supplied in the form of 0.1mm thick x 30mm width x 70mm length in a plastic bag (10pcs. a pack).

- Chemical composition by weight %

**Section III — Physical/Chemical Characteristics**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Nil</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>7.8</td>
</tr>
<tr>
<td>Meltint Point</td>
<td>Nil</td>
</tr>
<tr>
<td>Evaporatation Rate</td>
<td>Nil</td>
</tr>
</tbody>
</table>

- Soluble in Water: unsoluble

- Appearance and Odor: bright steel color and no odor

---

**Section IV — Fire and Explosion Hazard Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>nil</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>nil</td>
</tr>
<tr>
<td>LEL</td>
<td></td>
</tr>
<tr>
<td>UEL</td>
<td></td>
</tr>
</tbody>
</table>

**Extinguishing Media**

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td></td>
</tr>
</tbody>
</table>

**Special Fire Fighting Procedures**

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td></td>
</tr>
</tbody>
</table>

**Unusual Fire and Explosion Hazards**

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td></td>
</tr>
</tbody>
</table>

- Reproduce locally

---

OSHA 174, Sept.

**Reproduction Date**
1985 2005
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? Nil

IARC Monograph? Nil

OSHA regulated? Nil

Signs and Symptoms of Exposure Nil

Medical Conditions

Generally aggravated by Exposure Nil

Emergency and First Aid Procedures

Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled

Nil

Waste Disposal Method diposable as common refuse.

Precautions to Be Taken in Handling and Storing

Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type) Nil

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Mechanical (General)</th>
<th>Special</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil

Eye protection a pair of glasses

Other Protective Clothing or Equipment

Nil

Work/Hygienic Practices

Nil
Material Safety Data Sheet

Maybe used to comply with OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be consulted for specific requirement

IDENTITY (As Used on Label and List)
no

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared
May 7, 1997

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity, Common Names(s))
(Non-Mandatory Form)

OSHA PEL ACGIH TLV Recommended %

It is non-toxic, non-hazardous, non-flammable steel strip of nickel-Chrome-ferrous alloy.
It is supplied in the form of 0.2mm thick x 30mm width x 70mm length in a plastic bag (10pcs. a pack).
Chemical compositions by weight %

<table>
<thead>
<tr>
<th>Element</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni</td>
<td>6.0</td>
</tr>
<tr>
<td>Cr</td>
<td>16.00</td>
</tr>
<tr>
<td>Si</td>
<td>1.0</td>
</tr>
<tr>
<td>C</td>
<td>0.15</td>
</tr>
<tr>
<td>Mn</td>
<td>2.0</td>
</tr>
<tr>
<td>P</td>
<td>0.45</td>
</tr>
<tr>
<td>S</td>
<td>0.030</td>
</tr>
<tr>
<td>Fe</td>
<td>74.765</td>
</tr>
</tbody>
</table>

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Nil</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>7.8</td>
</tr>
<tr>
<td>Meltint Point</td>
<td>1.530 °C</td>
</tr>
<tr>
<td>Evaporaton Rate (Butyl Acetate = 1)</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) nil

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil

(Reproduce locally)
5-8-86 2005

Published by THE BUREAU OF NATIONAL AFFAIRS, INC. WASHINGTON, D.C. 20004

OSHA 174, Sept. 1985
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? | IARC Monograph? | OSHA regulated?
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type) Nil

Ventilation Local Exhaust Mechanical (General) Special Other
| Nil       | Nil   | Nil   | Nil   |

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Note: Blank spaces are not permitted. If any items is not applicable or information is available, the space must be marked to indicate that

Section I

Manufacturer’s Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)

201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))

It is non-toxic, non-hazardous, non-flammable steel strip of ferrous alloy.
It is supplied in the form of 0.2mm thick x 5mm width x 100mm length in a plastic bag (10pcs. a pack).
Chemical compositions by weight %

Ni ........... 3.01
Si ........... 0.14
C ............ 0.10
Fe ........... 94.239
Mn ........ 0.001
Cu ........... 1.02
Mo ........ 0.35
Al ........... 0.63
O ........... 0.51

Section III – Physical/Chemical Characteristics

Boiling Point
Nil

Specific Gravity (H2O=1)
7.8

Vapor Pressure (mm Hg.)
Nil

Meltint Point
1.530 °C

Vapor Density (AIR=1)
Nil

Evaporation Rate
(Butyl Acetate = 1)
Nil

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)
nil

Flammable Limits
nil

LEL

UEL

Extinguishing Media
nil

Special Fire Fighting Procedures

nil

Unusual Fire and Explosion Hazards

nil

(Reproduce locally) 2005
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route (s) of Entry. Inhalation? Nil Skin? Nil Ingestion? Nil

Health Hazards (Acute and Chronic) Nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions
Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method disposed as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)

Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
<tr>
<td>Mechanical (General)</td>
<td>Nil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil

Page 2

USPO 986-491-529/45775

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2005
Material Safety Data Sheet

Maybe used to comply with OSHA's Hazard Communication Standard.

IDENTITY (As Used on Label and List)

No

cat.no. MD-107 Steel strip (HPM38)

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-Chome, Higashi-Kasai, Edogawa-Ku, Tokyo 134, Japan

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared
November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names (s))

O.THA PEL ACGIH TLV Recommended %

It is non-toxic, non-hazardous, non-flammable steel strip of ferrous alloy.

It is supplied in the form of 0.2mm thick x 5mm width x 100mm length in a plastic bag (10pcs. a pack).

Chemical compositions by weight %

C ....... 0.38
Fe ....... 84.32
Si ....... 0.9
Mn ....... 0.5
V ....... 0.3
Cr ....... 13.6

Section III - Physical/Chemical Characteristics

Boiling Point
Nil

Specific Gravity (H2O=1)
7.8

Vapor Pressure (mm Hg.)
Nil

Meltint Point
1.530 °C

Vapor Density (AIR=1)
Nil

Evaporation Rate
(Butyl Acetate = 1)

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)
nil

Extinguishing Media

nil

Special Fire Fighting Procedures

nil

Unusual Fire and Explosion Hazards

nil

Reproduce locally

5-8-86 2005

OSHA 174, Sept. 1985

Published by THE BUREAU OF NATIONAL AFFAIRS, INC. Washington, D.C. 20037
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route(s) of Entry

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) nil

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure nil

Medical Conditions

<table>
<thead>
<tr>
<th>Generally aggravated by Exposure</th>
<th>Nil</th>
</tr>
</thead>
</table>

Emergency and First Aid Procedures

Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled

| Nil |

Waste Disposal Method

disposable as common refuse.

Precautions to Be Taken in Handling and Storing

Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)

| Nil |

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Mechanical (General)</th>
<th>Special</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves

| Nil |

Eye protection, a pair of glasses

Other Protective Clothing or Equipment

| Nil |

Work/Hygienic Practices

| Nil |

Page 2
Material Safety Data Sheet


IDENTITY (As Used on Label and List) no

cat no. MD-104 Steel strip (STAVAX)

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-Chome, HIGASHI-KASAI EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number
03-3804-6760

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names (s)

<table>
<thead>
<tr>
<th>Hazardous Component</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fe</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Si</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mn</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is non-toxic, non-hazardous, non-flammable steel strip of ferrous alloy.

It is supplied in the form of 0.2mm thick x 5mm width x 100mm length in a plastic bag (10pcs. a pack).

Chemical compositions by weight %

C .......... 0.38
Fe .......... 84.32
Si .......... 0.9
Mn .......... 0.5
V .......... 0.3
Cr .......... 13.6

Section III – Physical/Chemical Characteristics

Boiling Point Nil
Specific Gravity (H2O=1) 7.8

Vapor Pressure (mm Hg.) Nil
Meltint Point 1.530 °C

Vapor Density (AIR=1) Nil
Evaporation Rate
(Butyl Acetate = 1) Nil

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) nil

Flammable Limits nil
LEL UEL

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil

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1985 2005

OSHA 174, Sept.
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route (s) of Entry
- Inhalation? Nil
- Skin? Nil
- Ingestion? Nil

Health Hazards (Acute and Chronic) Nil

Carcinogenicity
- NTP? Nil
- IARC Monographs? Nil

OSHA regulated? Nil

Signs and Symptoms of Exposure Nil

Medical Conditions
- Generally aggravated by Exposure Nil

Emergency and First Aid Procedures
- Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled
- Nil

Waste Disposal Method
- disposable as common refuse.

Precautions to Be Taken in Handling and Storing
- Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)
- Nil

Ventilation
- Local Exhaust Nil
- Mechanical (General) Nil
- Special Nil
- Other Nil

Protective Gloves
- Nil
- Eye protection a pair of glasses

Other Protective Clothing or Equipment
- Nil

Work/Hygienic Practices
- Nil
Material Safety Data Sheet
Maybe used to comply with
OSHA's Hazard Communication Standard.

IDENTITY (As Used on Label and List)

Cat. no. MD-101 Steel strip (HPM2)

Section I
Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s)) OSHA PEL ACGIH TLV Other Limits Recommended % (optional)

It is non-toxic, non-hazardous, non-flammable steel strip of ferrous alloy.
It is supplied in the form of 0.2mm thick x 5mm width x 100mm length in a plastic bag (10pcs. a pack).
Chemical compositions by weight %

Si ............ 0.4
C ............ 0.4
Fe ........ 95.6
Mn ..... 1.5
Cr ........ 1.9
Mo ....... 0.2

Section III - Physical/Chemical Characteristics

Boiling Point Nil Specific Gravity (H2O=1) 7.8

Vapor Pressure (mm Hg.) Nil Meltint Point 1.530 °C

Vapor Density (AIR=1) Nil Evaporation Rate (Butyl Acetate = 1) Nil

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) nil Flammable Limits
nil LEL UEL

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil

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OSHA 174, Sept. 1985

5-8-88

2005
Section V – Reactivity Data

| Stability       | Unstable | Conditions to Avoid | nil  
|-----------------|----------|---------------------|------
|                 | Stable   |                      | x    |

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route(s) of Entry

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Skin</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP NTP

<table>
<thead>
<tr>
<th>IARC Monographs</th>
<th>OSHA regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure Nil

Medical Conditions

<table>
<thead>
<tr>
<th>Generally aggravated by Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
</tr>
</tbody>
</table>

Emergency and First Aid Procedures

Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled

<table>
<thead>
<tr>
<th>Nil</th>
</tr>
</thead>
</table>

Waste Disposal Method diposable as common refuse.

Precautions to Be Taken in Handling and Storing

<table>
<thead>
<tr>
<th>Nil</th>
</tr>
</thead>
</table>

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type) Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Mechanical (General)</th>
<th>Special</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil

Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
MATERIAL SAFETY DATA SHEET

Material Safety Data Sheet
Maybe used to comply with
OSHA's Hazard Communication Standard.

IDENTITY ( As Used on Label and List )
no

**cat.no.**MD-103 Steel strip ( MAS1 )

**Section I**

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address ( Number, Street, City, State and ZIP code )
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer ( Optional )

**Section II - Hazardous Ingredients/Identity Information**

<table>
<thead>
<tr>
<th>Hazardous Components ( Specific Chemical Identity, Common Names ( s ) )</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>Recommended %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni .......... 18.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C .......... 0.03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fe .......... 76.111</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo .......... 5.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Co .......... 0.001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo .......... 0.35</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al .......... 0.005</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ti .......... 0.002</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is non-toxic, non-hazardous, non-flammable steel strip of ferrous alloy.
It is supplied in the form of 0.2mm thick x 5mm width x 100mm length in a plastic bag ( 10pcs. a pack )
Chemical compositions by weight %

**Section III - Physical/Chemical Characteristics**

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Nil</th>
<th>Specific Gravity ( H2O=1 )</th>
<th>7.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure ( mm Hg. )</td>
<td>Nil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density ( AIR=1 )</td>
<td>Nil</td>
<td>Meltint Point</td>
<td>1.530 °C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Evaporaton Rate</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td></td>
<td>( Butyl Acetate = 1 )</td>
<td></td>
</tr>
</tbody>
</table>

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

**Section IV - Fire and Explosion Hazard Data**

<table>
<thead>
<tr>
<th>Flash Point ( Method Used )</th>
<th>Flammable Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td>nil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Extinguishing Media</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special Fire Fighting Procedures</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>nil</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unusual Fire and Explosion Hazards</th>
<th>nil</th>
</tr>
</thead>
</table>

( Reproduce locally )

O 31-9203

U.S. Department of Labor
Occupational Safety and Health Administration
( Non- Mandatory Form )
Form approved
OMB No.1218-0072

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OSHA 174, Sept. 1985
### Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

**Incompatibility (Materials to Avoid)**

<table>
<thead>
<tr>
<th>Hazardous Decomposition or Byproducts</th>
<th>nil</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>May Occur</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

### Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

**Health Hazards (Acute and Chronic)**

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

**Signs and Symptoms of Exposure**

| Nil |

**Medical Conditions Generally aggravated by Exposure**

| Nil |

**Emergency and First Aid Procedures**

| Nil |

### Section VII – Precautions for Safe Handling and Use

- **Step to Be Taken in Case Material is Released or Spilled**
  - Nil

**Waste Disposal Method**

disposable as common refuse.

**Precautions to Be Taken in Handling and Storing**

| Nil |

### Section VIII – Control Measures

- **Respiratory Protection (Specify Type)**
  - Nil

**Ventilation**

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
</tbody>
</table>

**Protective Gloves**

| Nil |

**Eye protection** a pair of glasses

**Other Protective Clothing or Equipment**

| Nil |

**Work/Hygienic Practices**

| Nil |

---

Page 2

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Occupational Safety & Health Reporter 14

2005
Material Safety Data Sheet

Section I - Manufacturer's Name

JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)

201, 4-10, 6-Chome, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number

03-3804-6760

Telephone number for information

03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))

OSHA PEL ACGIH TLV Other Limits

(Non-Mandatory Form )

It is non-toxic, non-hazardous, non-flammable steel strip of ferrous alloy.

It is supplied in the form of 0.2mm thick x 5mm width x 100mm length in a plastic bag (10pcs. a pack).

Chemical compositions by weight %

Ni ........... 3.02
Si ............ 0.14
C ............. 0.10
Fe .......... 94.290
Mn ........ 0.01
Cu .......... 1.04
Mo ........ 0.35
Al ........ 0.55
O .......... 0.50

Section III - Physical/Chemical Characteristics

Boiling Point Nil Specific Gravity (H2O=1) 7.8

Vapor Pressure (mm Hg.) Nil Meltint Point 1.530 °C

Vapor Density (AIR=1) Nil Evaporation Rate (Butyl Acetate = 1) Nil

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) nil

Flammable Limits nil

LEL UEL

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil

(Reproduce locally)

OSHA 174, Sept.

1985 2005
## Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Incompatibility (Materials to Avoid)
- nil

### Hazardous Decomposition or Byproducts
- nil

### Hazardous Polymerization
<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Section VI – Health Hazard Data

### Route(s) of Entry
- Inhalation
- Skin
- Ingestion

### Health Hazards (Acute and Chronic)
- Nil

### Carcinogenicity
- NTP
- IARC Monographs
- OSHA regulated

### Signs and Symptoms of Exposure
- Nil

### Medical Conditions
- Generally aggravated by Exposure
- Nil

### Emergency and First Aid Procedures
- Nil

## Section VII – Precautions for Safe Handling and Use

### Step to Be Taken in Case Material is Released or Spilled
- Nil

### Waste Disposal Method
- Disposable as common refuse.

### Precautions to Be Taken in Handling and Storing
- Nil

### Other Precautions

## Section VIII – Control Measures

### Respiratory Protection (Specify Type)
- Nil

### Ventilation
- Local Exhaust: Nil
- Mechanical (General): Nil
- Special: Nil
- Other: Nil

### Protective Gloves
- Nil
- Eye protection: a pair of glasses

### Other Protective Clothing or Equipment
- Nil

### Work/Hygienic Practices
- Nil
Material Safety Data Sheet

May not be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirement.

IDENTITY (As Used on Label and List)

no

Section I

Manufacturer's Name

JAPAN TECHNO ENGINEERING CO., LTD.

Address (Number, Street, City, State and ZIP code)

201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Emergency Telephone Number

03-3804-6760

Telephone number for information

03-3804-6760

Date Prepared

November 10, 2004

Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))

OSHA PEL ACGIH TLV

Recommended %

Ni .......... 6.0
Cr .......... 16.00
Si .......... 1.0
C .......... 0.15
Mn .......... 2.0
P .......... 0.45
S .......... 0.030
Fe .......... 74.765

It is non-toxic, non-hazardous, non-flammable steel strip of nickel-Chrome-ferrous alloy.
It is supplied in the form of 0.2mm diameter wire in 5 meter long rolled in a plastic bag.
Chemical compositions by weight %

Section III – Physical/Chemical Characteristics

Boiling Point

Nil

Specific Gravity (H2O=1)

7.8

Vapor Pressure (mm Hg.)

Nil

Meltint Point

1.530 °C

Vapor Density (AIR=1)

Nil

Evaporaton Rate

(Butyl Acetate = 1)

Nil

Soluble in Water

unsoluble

Appearance and Odor

bright steel color and no odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)

nil

Flammable Limits

nil

LEL

UEL

Extinguishing Media

nil

Special Fire Fighting Procedures

nil

Unusual Fire and Explosion Hazards

nil

(Reproduce locally)

1985 2005

OSHA 174, Sept.
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will Not Occur</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? IARC Monographs? OSHA regulated?

| Nil | Nil | Nil |

Signs and Symptoms of Exposure Nil

Medical Conditions Generally aggravated by Exposure Nil

Emergency and First Aid Procedures Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled Nil

Waste Disposal Method Disposable as common refuse.

Precautions to Be Taken in Handling and Storing Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type) Nil

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Nil</th>
<th>Special</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>Nil</td>
<td>Other</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Protective Gloves Nil Eye protection a pair of glasses

Other Protective Clothing or Equipment Nil

Work/Hygienic Practices Nil
Material Safety Data Sheet

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form approved
OMB No.1218-0072

Note: Blank spaces are not permitted. If any items is not applicable or information is available, the space must be marked to indicate that

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004

Signature of Preparer (Optional)

Section II — Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity, Common Names(s) (optional))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Recommended</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>It is non-toxic, non-hazardous, non-flammable steel strip of nickel-&lt;br&gt;Chrome-ferrous alloy.&lt;br&gt;It is supplied in the form of 0.3mm diameter wire in 5 meter long rolled in a plastic bag.&lt;br&gt;Chemical compositions by weight %</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ni 6.0</td>
<td>Cr 16.0</td>
<td>SI 1.0</td>
<td>C 0.15</td>
<td>Mn 2.0</td>
</tr>
</tbody>
</table>

Section III — Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Nil</th>
<th>Specific Gravity (H2O=1)</th>
<th>7.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>Nil</td>
<td>Meltin Point</td>
<td>1.530 °C</td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>Nil</td>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Soluble in Water unsoluble

Appearance and Odor bright steel color and no odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) nil

Flammable Limits nil

LEL UEL

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil

(Reproduce locally)
1985 2005

OSHA 174, Sept.
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Stable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

Route(s) of Entry
- Inhalation: Nil
- Skin: Nil
- Ingestion: Nil

Health Hazards (Acute and Chronic) Nil

Carcinogenicity
- NTP: Nil
- IARC Monographs: Nil
- OSHA regulated: Nil

Signs and Symptoms of Exposure Nil

Medical Conditions
- Generally aggravated by Exposure: Nil

Emergency and First Aid Procedures
- Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled
- Nil

Waste Disposal Method
disposable as common refuse.

Precautions to Be Taken in Handling and Storing
- Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)
- Nil

Ventilation
- Local Exhaust: Nil
- Mechanical (General): Nil
- Special: Nil
- Other: Nil

Protective Gloves
- Nil
- Eye protection: a pair of glasses

Other Protective Clothing or Equipment
- Nil

Work/Hygienic Practices
- Nil
Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirement.
IDENTITY (As Used on Label and List) no

cat.no MA-58 Steel strip (S4)

Section I

Manufacturer's Name
JAPAN TECHNO ENGINEERING CO., LTD.

Emergency Telephone Number
03-3804-6760

Address (Number, Street, City, State and ZIP code)
201, 4-10, 6-CHOME, HIGASHI-KASAI
EDOGAWA-KU, TOKYO 134, JAPAN

Telephone number for information
03-3804-6760

Date Prepared, November 10, 2004
Signature of Preparer (Optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names (s))
(Non-hazardous, non-flammable steel strip of nickel-chrome-ferrous alloy.
It is supplied in the form of 0.4mm diameter wire in 5 meter long rolled in a plastic bag.
Chemical compositions by weight %

Ni ...... 6.0
Cr ...... 16.00
Si ...... 1.0
C ...... 0.15
Mn ...... 2.0
P ...... 0.45
S ...... 0.030
Fe ...... 74.765

OSHA PEL ACGIH TLV Recommended %

Section III — Physical/Chemical Characteristics

Boiling Point Nil Specific Gravity (H2O=1) 7.8

Vapor Pressure (mm Hg.) Nil MeltPoint 1.530 °C

Vapor Density (AIR=1) Nil Evaporation Rate Nil
(Butyl Acetate = 1)

Soluble in Water unsoluble
Appearance and Odor bright steel color and no odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) nil Flammable Limits nil LEL UEL

Extinguishing Media nil

Special Fire Fighting Procedures nil

Unusual Fire and Explosion Hazards nil

(Reproduce locally)
1985 2005

OSHA 174, Sept.
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td></td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) nil

Hazardous Decomposition or Byproducts nil

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) Nil

Carcinogenicity NTP? Nil

IARC Monographs? Nil

OSHA regulated? Nil

Signs and Symptoms of Exposure Nil

Medical Conditions

- Generally aggravated by Exposure Nil

Emergency and First Aid Procedures

Nil

Section VII – Precautions for Safe Handling and Use

Step to Be Taken in Case Material is Released or Spilled

Nil

Waste Disposal MethodDisposable as common refuse.

Precautions to Be Taken in Handling and Storing

Nil

Other Precautions

Section VIII – Control Measures

Respiratory Protection (Specify Type)

Nil

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Nil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical (General)</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Special Nil

Other Nil

Protective Gloves Nil

Eye protection a pair of glasses

Other Protective Clothing or Equipment

Nil

Work/Hygienic Practices Nil