MSDS Document

Product Dynatex® 49584 Nickel Anti-Seize & Lubricating Compound

1. Chemical Product and Company Identification

Trade Name of this Product Dynatex® 49584 Nickel Anti-Seize & Lubricating Compound
MSDS ID DYN49584
Manufacturer Dynatex Inc.
350 Ring Road
Elizabethtown, KY 42701

Phone Number (270) 769-3385
Emergency Phone CHEMTREC (800) 424-9300
Revision Date 7/20/2011

Health: 2
Fire: 1
Reactivity: 0
Specific PPE: C

2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Weight %</th>
<th>ACGIH TLV</th>
<th>PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel powder</td>
<td>7440-02-0</td>
<td>15% - 20%</td>
<td>1.5 mg/m≈</td>
<td>1 mg/m≈</td>
<td></td>
</tr>
<tr>
<td>Graphite powder</td>
<td>7782-42-5</td>
<td>15% - 20%</td>
<td>2.0 mg/m3</td>
<td>2.5 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Aluminum powder</td>
<td>7429-90-5</td>
<td>1% - 5%</td>
<td>10 mg/m3 (dust) Not Est.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NJTSRN 80100362-5008P</td>
<td>Trade Secret</td>
<td>60% - 70%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NJTSRN 80100362-5004P</td>
<td>Trade Secret</td>
<td>1% - 5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NJTSRN 80100362-5014P</td>
<td>Trade Secret</td>
<td>0.5% - 1%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NJTSRN 80100362-5002P</td>
<td>Trade Secret</td>
<td>0.1% - 0.5%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Hazard Identification

Symptoms of Overexposure
May cause irritation to eyes and skin on sensitive individuals.
Existing Conditions Aggravated by Exposure
Prolonged or repeated contact may produce mild skin irritation and inflammation. Personnel with pre-existing skin disorder should avoid contact.

4. First Aid Information

Eye Contact
Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact
Wash with soap and water. If irritation occurs, seek medical attention.

Inhalation
Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

Ingestion
Do not induce vomiting. Keep warm. Get medical attention.

5. Fire Fighting Measures

Flash Point 425F
FP Method COC

Extinguishing Media
Carbon Dioxide, Dry Chemical, Foam

Hazardous Decomposition Products
Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:
Carbon Dioxide
Carbon Monoxide
Trace metal oxides

Special Fire Fighting Procedures
Fight like a fuel oil fire. Cool fire exposed containers with water spray. Use water to keep fire exposed containers cool to prevent pressure build-up. Fire fighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

Unusual Fire or Explosion Hazards
None known

6. Accidental Release Measures

Steps to be taken in case of spill or release
Stop flow, scrape, wipe, mop up or absorb with diatomaceous earth or other inert material. Disposal should be in accordance with local, state, and federal regulations.
7. Handling and Storage

Handling
Spills may cause slippery floors. Proper footwear required. Remove contaminated clothing and launder before reuse. Wash hands with soap and water before eating, drinking or smoking. Discard contaminated leather gloves and shoes.

Storage
Avoid storage near open flame or other sources of ignition.

8. Exposure Controls and Personal Protection

Eye Protection
Safety goggles or glasses with side shields are recommended.

Skin Protection
Use neoprene or nitrile rubber gloves to prevent skin contact.

Respiratory Protection
No special requirements under ordinary conditions of use and with adequate ventilation.

Other Protective Clothing or Equipment
None under normal use; however, use of solvent resistant aprons or other clothing is recommended. Use of chemically resistant boots is recommended.

Other Precautions
Have emergency shower and eye wash available.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Soft grease</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.18</td>
</tr>
<tr>
<td>Color/Appearance</td>
<td>Dark silver</td>
</tr>
<tr>
<td>Odor</td>
<td>Petroleum odor</td>
</tr>
<tr>
<td>Boiling/Cond. Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>None</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Note
The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability
Stable
Hazardous Polymerization
Will not occur

Materials to Avoid / Incompatibilities
Keep away from strong oxidizing agents.

Conditions to Avoid
Do not heat above flash point. Do not weld.

11. Toxicological Information

Carcinogens
IARC concluded that powdered Metallic Nickel is possibly carcinogenic to humans. Not carcinogenic by ingestion. (NIOSHA U.S.F.D.A.-GRAS)

12. Ecological Information

Environmental Fate and Distribution
Complete information is not yet available.

Environmental Effects
Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants
Complete information is not yet available.

13. Disposal Considerations

Waste Disposal Method
We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations, but contains SARA regulated substances. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

14. Transportation Information

DOT Hazardous Classification
Not Regulated
Grease or Oil - N.O.S.
15. Regulatory Information


**TSCA Status**
All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**SARA Title III Section 302 Extremely Hazardous Substances**
None

**SARA Title III Section 304 CERCLA Hazardous Substances**
Nickel Powder (7440-02-0)

**SARA Title III Section 313 Toxic Chemicals**
Nickel Powder (7440-02-0)
Aluminum Powder (7429-90-5)

**California Proposition 65**
Nickel Powder (7440-02-0)

**New Jersey**
Nickel Powder (7440-02-0)
Aluminum Powder (7429-90-5)

**Pennsylvania**
Graphite Powder (7782-42-5)
Nickel Powder (7440-02-0)
Aluminum Powder (7429-90-5)

16. Other Information

**Disclaimer**
The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.