1. IDENTIFICATION

Product Identifier
Product Name NFC Mold Cleaner

Other means of identification
SDS # 47112
UN/ID No UN1950
Product Code 47112
Synonyms n-propyl bromide
Other Information Formula: 60323.

Recommended use of the chemical and restrictions on use
Recommended Use Cleaning agent.

Details of the supplier of the safety data sheet
Supplier Address Slide Products Inc.
430 S. Wheeling Road
Wheeling, IL 60090

Emergency telephone number
Company Phone Number Phone: 1-800-323-6433
Fax: 1-800-756-7986
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th>Acute toxicity - Dermal</th>
<th>Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Signal word
Danger

Hazard statements
Harmful in contact with skin
Causes skin irritation
Causes severe eye irritation
May damage fertility or the unborn child
May cause respiratory irritation. May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
Pressurized container: May burst if heated
Appearance  pale straw, syrupy liquid  
Physical state  Aerosol

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Call a POISON CENTER or doctor/physician if you feel unwell
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
May be harmful if swallowed

Other Information
• Harmful to aquatic life with long lasting effects
• Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms  n-propyl bromide.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propyl bromide</td>
<td>106-94-5</td>
<td>60-80</td>
<td>*</td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane</td>
<td>811-92-2</td>
<td>20-35</td>
<td>*</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures
47112 - NFC Mold Cleaner

Revision Date 29-Nov-2012

General advice
If exposed or concerned: Get medical advice/attention.

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion
Rinse mouth. Do NOT induce vomiting. Call a physician.

Skin Contact
Wash with Naphtha, then soap and water-apply hand cream. If skin irritation occurs: Get medical advice/attention. Call a physician if you feel unwell. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

Most important symptoms and effects, both acute and delayed

Symptoms
May cause nausea, vomiting and/or diarrhea if ingested. Prolonged breathing of vapors may cause nausea, headache, weakness and/or dizziness. May cause skin and eye irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None known.

Specific hazards arising from the chemical
Product is not flammable by aerosol Standards. Aerosols are under pressure.


Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for containment
Dike the spilled material, where this is possible.

Methods for cleaning up
Absorb spillage with non-combustible, absorbent material. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. Clean up in accordance with all applicable regulations. Extinguish all flames.

7. HANDLING AND STORAGE
Precautions for safe handling

Advice on safe handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Do not eat, drink or smoke when using this product. Do not enter without adequate breathing apparatus and an observer for assistance.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Incompatible materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propyl bromide</td>
<td>TWA: 10 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>106-94-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls
Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear approved safety goggles.

Skin and body protection
Wear suitable protective clothing.

Respiratory protection
High vapor or mist concentrations may require a NIOSH approved organic vapor respirator.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Aerosol</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>pale straw, syrupy liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>pale straw</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>&lt; -40 °C / &lt; -40 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>39.4-111.1 °C / 103-232 °F</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>non-flammable per aerosol flame</td>
<td>projection test</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>3 minutes</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limits</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>350 mmHg @ 20 C</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>&gt;1</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.289</td>
<td></td>
</tr>
</tbody>
</table>
Water solubility: Insoluble in water
Solubility in other solvents: Not determined
Partition coefficient: Not determined
Autoignition temperature: Not determined
Decomposition temperature: Not determined
Kinematic viscosity: Not determined
Dynamic viscosity: Not determined
Explosive properties: Not determined
Oxidizing properties: Not determined

Other Information

VOC Content (%): 100%

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
Open flames. Avoid high temperatures.

Incompatible materials

Hazardous Decomposition Products
Carbon oxides. Hydrogen bromide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information
Inhalation: Avoid breathing vapors or mists.
Eye contact: Causes severe eye irritation.
Skin Contact: Harmful in contact with skin. Causes skin irritation.
Ingestion: May be harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propyl bromide</td>
<td>3600 mg/kg (Rat)</td>
<td>-</td>
<td>253 g/m³ (Rat) 30 min</td>
</tr>
<tr>
<td>106-94-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information on physical, chemical and toxicological effects

Symptoms
Ingestion may cause nausea, vomiting, dizziness, and headache. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. May cause skin and eye irritation.
Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity  
Carcinogenic potential is unknown.

Reproductive toxicity  
May damage fertility or the unborn child.

STOT - single exposure  
May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure  
May cause damage to organs through prolonged or repeated exposure.

Numerical measures of toxicity- Product  
Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

| ATEmix (oral) | 3601 mg/kg |
| ATEmix (dermal) | 1100 mg/kg |
| ATEmix (inhalation-dust/mist) | 253 mg/l |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propyl bromide 106-94-5</td>
<td></td>
<td>67.3: 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability  
Not determined.

Bioaccumulation  
Not determined.

Mobility  
Not determined.

Other adverse effects  
Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes  
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging  
Standard for solvent drums. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

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Note

Based on package size, product may be eligible for limited quantity exception

**DOT**

- **UN/ID No**: UN1950
- **Proper shipping name**: Aerosols
- **Hazard Class**: 2.2

**IATA**

- **UN/ID No**: UN1950
- **Proper shipping name**: Aerosols, non-flammable
- **Hazard Class**: 2.2

**IMDG**

- **UN/ID No**: UN1950
- **Proper shipping name**: Aerosols
- **Hazard Class**: 2.2

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### 15. REGULATORY INFORMATION

#### International Inventories

**Legend:**

- **TSCA**: United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL**: Canadian Domestic Substances List/Non-Domestic Substances List
- **EINECS/ELINCS**: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS**: Japan Existing and New Chemical Substances
- **IECSC**: China Inventory of Existing Chemical Substances
- **KECL**: Korean Existing and Evaluated Chemical Substances
- **PICCS**: Philippines Inventory of Chemicals and Chemical Substances

#### US Federal Regulations

**SARA 311/312 Hazard Categories**

**US State Regulations**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propyl bromide - 106-94-5</td>
<td>Developmental</td>
</tr>
<tr>
<td></td>
<td>Female Reproductive</td>
</tr>
<tr>
<td></td>
<td>Male Reproductive</td>
</tr>
</tbody>
</table>

**U.S. State Right-to-Know Regulations**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propyl bromide</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>106-94-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**U.S. EPA Label Information**

**16. OTHER INFORMATION**

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet