



# SAFETY DATA SHEET

Issue Date 01-Sep-2012

Revision Date 29-Nov-2012

Version 1

## 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

Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2

### 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.

Chemical Name	CAS No	Weight-%	Trade Secret
n-Propyl bromide	106-94-5	60-80	*
1,1,1,2-Tetrafluoroethane	811-92-2	20-35	*

### 4. FIRST AID MEASURES

#### First aid measures

<b>General advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Call a physician.
<b>Skin Contact</b>	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**

<b>Symptoms</b>	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.
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#### **Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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### **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.

**Hazardous combustion products** Carbon oxides. Hydrogen bromide.

#### **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**

<b>Personal precautions</b>	Use personal protective equipment as required.
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#### **Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Dike the spilled material, where this is possible.
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<b>Methods for cleaning up</b>	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.
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### **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**

Alkaline earth metals. OXIDIZERS. Bases. Reactive metals. Incompatible with natural rubber.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
n-Propyl bromide 106-94-5	TWA: 10 ppm	-	-

**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**

<b>Physical state</b>	Aerosol	<b>Odor</b>	Not determined
<b>Appearance</b>	pale straw, syrupy liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	pale straw		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	Not determined		
<b>Melting point/freezing point</b>	< -40 °C / <-40 °F		
<b>Boiling point/boiling range</b>	39.4-111.1 °C / 103-232 °F		
<b>Flash point</b>	non-flammable per aerosol flame projection test		
<b>Evaporation rate</b>	3 minutes		
<b>Flammability (solid, gas)</b>	Not determined		
<b>Flammability Limits in Air</b>			
<b>Upper flammability limits</b>	Not applicable		
<b>Lower flammability limit</b>	Not applicable		
<b>Vapor pressure</b>	350 mmHg	@ 20 C	
<b>Vapor density</b>	>1		
<b>Specific Gravity</b>	1.289		

<b>Water solubility</b>	Insoluble in water
<b>Solubility in other solvents</b>	Not determined
<b>Partition coefficient</b>	Not determined
<b>Autoignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic viscosity</b>	Not determined
<b>Explosive properties</b>	Not determined
<b>Oxidizing properties</b>	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**

Alkaline earth metals. OXIDIZERS. Bases. Reactive metals. Incompatible with natural rubber.

**Hazardous Decomposition Products**

Carbon oxides. Hydrogen bromide.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Eye contact</b>	Causes severe eye irritation.
<b>Skin Contact</b>	Harmful in contact with skin. Causes skin irritation.
<b>Ingestion</b>	May be harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
n-Propyl bromide 106-94-5	3600 mg/kg ( Rat )	-	253 g/m <sup>3</sup> ( Rat ) 30 min

**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**

<b>Carcinogenicity</b>	Carcinogenic potential is unknown.
<b>Reproductive toxicity</b>	May damage fertility or the unborn child.
<b>STOT - single exposure</b>	May cause respiratory irritation. May cause drowsiness or dizziness.
<b>STOT - repeated exposure</b>	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 .

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

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
n-Propyl bromide 106-94-5		67.3: 96 h Pimephales promelas mg/L LC50 flow-through		

**Persistence and degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

**Other adverse effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Standard for solvent drums. Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

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

**DOT** (each not exceeding 1 L capacity)  
**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

## 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

Chemical Name	California Proposition 65
n-Propyl bromide - 106-94-5	Developmental Female Reproductive Male Reproductive

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
n-Propyl bromide 106-94-5	X	X	X

### U.S. EPA Label Information

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
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<u>HMIS</u>	Health hazards	Flammability	Physical hazards	Personal protection
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**Issue Date** 01-Sep-2012

**Revision Date** 29-Nov-2012

**Revision Note**

new format

**Disclaimer**

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**