

## 1. IDENTIFICATION

**Product Identifier****Product Name** Slide Wax Pattern Release**Other means of identification****SDS #** 54882**Product Code** 54882  
**UN/ID No** UN1950**Recommended use of the chemical and restrictions on use****Recommended Use** Industrial mold release.**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: 1-847-541-7220  
Fax: 1-847-541-7986  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Cream-colored, oily liquid      **Physical State** Aerosol      **Odor** Sweet Ether**Classification**

Flammable Aerosols      Category 2

**Signal Word****Warning****Hazard Statements**

Flammable Aerosol

**Precautionary Statements - Prevention**Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use

**Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Dimethyl ether	115-10-6	40-50
1,1,1,2-Tetrafluoroethane	811-97-2	40-50
Polydimethylsiloxane	63148-62-9	3-7

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>General Advice</b>	When symptoms persist or in all cases of doubt seek medical advice.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects**

<b>Symptoms</b>	Causes asphyxiation in high concentrations. When heated, mists of this product may irritate nasal passages. If product is sprayed directly on skin, symptoms of frostbite may be experienced including numbness, prickling, and itching. This product has laxative properties and may result in abdominal cramps and diarrhea.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Foam. Water.

**Unsuitable Extinguishing Media** None known.

**Specific Hazards Arising from the Chemical**

Extremely flammable. Pressurized container: May burst if heated. Heat may cause the containers to explode. Combustion products may be toxic.

**Hazardous Combustion Products** Carbon oxides. Formaldehyde. Hydrogen fluoride. Fluorine compounds.

**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. Move containers from fire area if you can do it without risk. Cool containers exposed to fire with water. Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protective equipment as required. Refer to protective measures listed in sections 7 and 8. Keep people away from and upwind of spill/leak. Ventilate affected area. Remove all sources of ignition.
<b>Environmental Precautions</b>	Do not allow material to contaminate ground water system. Prevent product from entering drains.

### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Use only non-sparking tools. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. For waste disposal, see section 13 of the SDS.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on Safe Handling</b>	Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use only in well-ventilated areas. Use personal protection recommended in Section 8. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Wash thoroughly after handling. Empty containers may contain flammable vapors/residue.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from heat. Inspect containers periodically for defects. Protect container from physical damage.
<b>Incompatible Materials</b>	Bases. Acids. Alkali metals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b><u>Exposure Guidelines</u></b>	No exposure limits noted for ingredient(s)
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### Appropriate engineering controls

<b>Engineering Controls</b>	Local exhaust ventilation recommended. Eyewash stations. Showers.
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### Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Wear splash proof or dust proof safety goggles wherever there is a potential for eye contact.
<b>Skin and Body Protection</b>	Use impervious gloves. Wear suitable protective clothing.
<b>Respiratory Protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>General Hygiene Considerations</b>	Do not breathe vapors or spray mist. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Aerosol	<b>Odor</b>	Sweet Ether
<b>Appearance</b>	Cream-colored, oily liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Cream		

  

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No information available	
<b>Melting Point/Freezing Point</b>	< -45.6 °C / <-50 °F	(concentrate)
<b>Boiling Point/Boiling Range</b>	No information available	
<b>Flash Point</b>	No information available	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (Solid, Gas)</b>	Flammable aerosol	
<b>Upper Flammability Limits</b>	25.0%	
<b>Lower Flammability Limit</b>	4.0%	
<b>Vapor Pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific Gravity</b>	1.0	
<b>Water Solubility</b>	Partially soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	No information available	
<b>Auto-ignition Temperature</b>	No information available	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	No information available	
<b>Explosive Properties</b>	Mixtures of vapor and air at concentrations in the flammable range may be ignited by a static discharge of sufficient energy	
<b>Oxidizing Properties</b>	None known	
<b>VOC Content</b>	No information available	

## 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.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Avoid direct sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Do not puncture or incinerate cans.

### Incompatible Materials

Bases. Acids. Alkali metals.

### Hazardous Decomposition Products

Carbon oxides. Formaldehyde. Hydrogen fluoride. Fluorine compounds.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information**

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl ether 115-10-6	-	-	= 308.5 mg/L ( Rat ) 4 h
1,1,1,2-Tetrafluoroethane 811-97-2	-	-	= 1500 g/m <sup>3</sup> ( Rat ) 4 h
Polydimethylsiloxane 63148-62-9	> 17 g/kg ( Rat )	> 2 g/kg ( Rabbit )	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

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

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1,1,1,2-Tetrafluoroethane 811-97-2		96 hour LC50-Rainbow Trout: 450 mg/L		48 hour EC50-Daphnia magna: 980 mg/L

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Dimethyl ether 115-10-6	-0.18

**Other Adverse Effects**

This product contains Norflurane. Norflurane may contribute to the greenhouse effect when discharged into the atmosphere in large quantities. Norflurane has a 'Global Warming Potential' (GWP) of 1300 over a 100 year time horizon

### 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>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Based on package size, **product may be eligible for limited quantity exception.**

#### DOT

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols
<b>Hazard Class</b>	2.1

#### IATA

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1

#### IMDG

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols
<b>Hazard Class</b>	2.1

### 15. REGULATORY INFORMATION

#### International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Dimethyl ether	Present	X		Present		Present	X	Present	X	X
1,1,1,2-Tetrafluoroethane	Present	X		Present		Present	X	Present	X	X
Polydimethylsiloxane	Present	X				Present	X	Present	X	X

#### **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*
- AICS - Australian Inventory of Chemical Substances*

#### US Federal Regulations

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dimethyl ether 115-10-6	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards**

Not determined

Not determined

Not determined

Not determined

**HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

Not determined

Not determined

Not determined

Not determined

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**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**