1. IDENTIFICATION

Product Identifier
Product Name: Slide Electronic Release cylinder

Other means of identification
SDS #: 42735N

Product Code: 42735N
Synonyms: Slide Electronic Mold Release
Organic Defoamer Solution.

UN/ID No: UN1954

Other Information: Formula: 53135.

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: Clear, oily, colorless liquid
Physical State: Aerosol
Odor: Slight 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl ether</td>
<td>115-10-6</td>
<td>55-65</td>
</tr>
<tr>
<td>1,1 difluoroethane</td>
<td>75-37-6</td>
<td>30-40</td>
</tr>
<tr>
<td>Organic Defoamer Non-Ionic*</td>
<td>Proprietary</td>
<td>1-6</td>
</tr>
</tbody>
</table>

Chemical Additions
*Product of PPG Industries-identity not disclosed

**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
Eye Contact               Rinse thoroughly with plenty of water, also under the eyelids. Call a physician immediately.
Skin Contact              Wash with soap and water.
Inhalation                Remove to fresh air.
Ingestion                 Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects
Symptoms                  Inhalation symptoms may include dizziness and headache. Nausea. Concentrated spray may cause freezing of skin area. Direct contact with eyes may cause temporary irritation.

Indication of any immediate medical attention and special treatment needed
Notes to Physician        Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical. Carbon dioxide (CO2). Foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Aerosol flame projection test: 18” flame projection. Aerosols may rupture violently at temperatures above 120 F.

Hazardous Combustion Products Hydrogen fluoride and other 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.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions  Use personal protective equipment as required.

Environmental Precautions  See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment  Remove leaking container to outside disposal site. Remove all sources of ignition.

Methods for Clean-Up  Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling  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. Do not drop, puncture, or incinerate. Do not spray on floors.

Conditions for safe storage, including any incompatibilities

Storage Conditions  Keep containers tightly closed in a dry, cool and well-ventilated place. Do not expose to temperatures exceeding 50 °C/122 °F. Protect from direct sunlight.

Incompatible Materials  Powdered or alkaline earth metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines  Threshold Limit Value: 1000 ppm

Appropriate engineering controls

Engineering Controls  Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection  Proper eye care is needed in all industrial operations.

Skin and Body Protection  Protective gloves are not required, but recommended.

Respiratory Protection  No protection is ordinarily required under normal conditions of use and with adequate ventilation.

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>Physical State</th>
<th>Appearance</th>
<th>Color</th>
<th>Odor</th>
<th>Odor Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerosol</td>
<td>Clear, oily, colorless liquid</td>
<td>Colorless</td>
<td>Slight ether</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
Property | Values | Remarks • Method
--- | --- | ---
P H | Not determined |  
Melting Point/Freezing Point | < -45 °C / < -50 °F |  
Boiling Point/Boiling Range | Not available |  
Flash Point | Not applicable |  
Evaporation Rate | Extremely rapid |  
Flammability (Solid, Gas) | Flammable aerosol |  
Upper Flammability Limits | Not available |  
Lower Flammability Limit | c.a. 5.8% |  
Vapor Pressure | Not available |  
Vapor Density | Not available |  
Specific Gravity | 0.81 | (Water = 1)
Water Solubility | Partially soluble |  
Solubility in other solvents | Not determined |  
Partition Coefficient | Not determined |  
Auto-ignition Temperature | Not determined |  
Decomposition Temperature | Not determined |  
Kinematic Viscosity | Not determined |  
Dynamic Viscosity | Not determined |  
Explosive Properties | Not determined |  
Oxidizing Properties | Not determined |  
Density | Weight per gallon: 6.79 |  

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
High heat or open flames.

Incompatible Materials
Powdered or alkaline earth metals.

Hazardous Decomposition Products
Hydrogen fluoride and other fluorine compounds.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact
Avoid contact with eyes.

Skin Contact
Avoid contact with skin.

Inhalation
Do not inhale.

Ingestion
Do not ingest.
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>Dimethyl ether</td>
<td>-</td>
<td>-</td>
<td>308.5 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>115-10-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl ether</td>
<td>-0.18</td>
</tr>
<tr>
<td>115-10-6</td>
<td></td>
</tr>
</tbody>
</table>

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

14. TRANSPORT INFORMATION

Note
Domestic Ground transportation only

DOT
UN/ID No       UN1954
Proper Shipping Name Compressed gas, flammable, n.o.s., (Dimethyl ether, 1, 1-Difluoroethane)
Hazard Class 2.1
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl ether</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>1,1 difluoroethane</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Organic Defoamer Non-Ionic*</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td></td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl ether</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>1,1 difluoroethane</td>
<td>115-10-6</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>75-37-6</td>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
16. OTHER INFORMATION

**NFPA**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazards</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not determined</td>
</tr>
<tr>
<td>Instability</td>
<td>Not determined</td>
</tr>
<tr>
<td>Special Hazards</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**HMIS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazards</td>
<td>1</td>
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<tr>
<td>Flammability</td>
<td>3</td>
</tr>
<tr>
<td>Physical Hazards</td>
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</tr>
<tr>
<td>Personal Protection</td>
<td>B</td>
</tr>
</tbody>
</table>

**Issue Date:** 01-Sep-2012
**Revision Date:** 01-Jan-2015
**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