



**Safety Data Sheet**  
**Polycarbonate Mold Release**

**SDS Revision Date: 06/03/2025**

**Section 1. Identification**

**Product identifier** 41412

**Product Identity** Polycarbonate Mold Release

**Other means of identification** Polycarbonate Mold Release

**Relevant identified uses of the substance or mixture and uses advised against**

Industrial Mold Release

**Details of the supplier of the safety data sheet**

**Company Name** Slide Products Inc.  
430 Wheeling Road  
Wheeling, IL 60090

**Emergency**

**24 hour Emergency Telephone No.** Emergency Telephone INFOTRAC 1-352-323-3500  
(International)  
1-800-535-5053 (North America)

**Customer Service:** Phone: 1-847-541-7220  
Fax: 1-847-541-7986

**Section 2. Hazard(s) identification**

**Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)**

Extremely flammable gas.  
Contains gas under pressure; may explode if heated.

May displace oxygen and cause rapid suffocation.

**Label elements****Danger**

Extremely flammable gas.  
Contains gas under pressure; may explode if heated.  
May cause drowsiness and dizziness.  
May displace oxygen and cause rapid suffocation.

**[Prevention]:**

Keep away from heat, sparks, open flames, and other ignition sources - No smoking.  
Avoid breathing dust, fume, gas, mist, vapors, spray.  
Use only outdoors or in a well-ventilated area.

**[Response]:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER, doctor or physician if you feel unwell.  
Leaking gas fire - do not extinguish unless leak can be stopped safely.  
In case of leakage, eliminate all ignition sources.

**[Storage]:**

Store in a well ventilated place. Keep container tightly closed.  
Store locked up.  
Protect from sunlight. Store in a well ventilated place.

**[Disposal]:**

Dispose of contents or container in accordance with local and national regulations.

**Other hazards**

This product contains no PBT/vPvB/vPvM chemicals.  
This product contains no endocrine disrupting chemicals.  
May displace oxygen and cause rapid suffocation.

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per US or Canadian regulations.

### Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Dimethyl ether CAS Number: 115-10-6 Synonyms: Methane, oxybis-	50 - 60	Flammable Gas, category 1;H220 Gas under pressure;H280	No data available
1,1-Difluoroethane CAS Number: 75-37-6 Synonyms: 1,1-difluoroethane (HFC-152A)	30 - 55	Flammable Gas, category 1;H220 Liquified Gas;H280 Specific target organ toxicity, Single exposure category 3;H336 Simple Asphyxiant	No data available
Polysiloxanes, lauryl Me, Me 2-phenylpropyl CAS Number: 68037-76-3 Synonyms: Siloxanes and silicones, lauryl me, me 2-phenylpro	1 - 5	Not Classified	No data available

The actual concentration or concentration range is withheld as a trade secret.

\*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

#### Description of first aid measures

**General** In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### Most important symptoms and effects, both acute and delayed

**Overview** No chronic toxicity or long term toxicity information available. Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

## Section 5. Fire-fighting measures

### Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

### Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Keep away from heat, sparks, open flames, and other ignition sources - No smoking.  
Avoid breathing dust, fume, gas, mist, vapors, spray.

### Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

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## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).  
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### Environmental precautions

Do not allow spills to enter drains or waterways.

### Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

## Section 7. Handling and storage

### Precautions for safe handling

Handle containers carefully to prevent damage and spillage.  
See section 2 for further details. - [Prevention]:

### Conditions for safe storage, including any incompatibilities

Incompatible materials: Strong oxidizing agents and acids.  
See section 2 for further details. - [Storage]:

### Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

### Control parameters

#### Exposure Limits

CAS No.	Ingredient	Source	Value
75-37-6	1,1-Difluoroethane	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
115-10-6	Dimethyl ether	OSHA	No Established Limit
		ACGIH	TWA: 1000 ppm
		NIOSH	No Established Limit
68037-76-3	Polysiloxanes, lauryl Me, Me 2-phenylpropyl	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

### Exposure controls

**Respiratory** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes** Protective safety glasses recommended.

**Skin** Avoid skin contact. Protective gloves recommended.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical State</b>	Pressurized aerosol dispensed as a mist.
<b>Color</b>	Colorless
<b>Odor</b>	No odor
<b>Melting point / freezing point</b>	<-45 °C/<-50 °F
<b>Initial boiling point and boiling range</b>	No available information
<b>Flammability (solid, gas)</b>	Gas
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> No available information <b>Upper Explosive Limit:</b> No available information
<b>Flash Point</b>	No available information
<b>Auto-ignition temperature</b>	No available information
<b>Decomposition temperature</b>	No available information
<b>pH</b>	No available information
<b>Viscosity (cSt)</b>	No available information
<b>Solubility in Water</b>	No available information
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Vapor pressure (Pa)</b>	No available information
<b>Relative Density</b>	0.81 (Water=1)
<b>Vapor Density</b>	>1 (Air=1)
<b>Evaporation rate (Ether = 1)</b>	No available information
<b>Oxidising properties</b>	No available information
<b>Explosive properties</b>	No available information
<b>Density</b>	Weight per gallon: 6.79

### Other information

No other relevant information.

## Section 10. Stability and reactivity

### Reactivity

Hazardous Polymerization will not occur.

### Chemical stability

Stable under normal circumstances.

### Possibility of hazardous reactions

No available information

### Conditions to avoid

Excessive heat and open flame.

### Incompatible materials

Strong oxidizing agents and acids.

### Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

## Section 11. Toxicological information

### Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).





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Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Dimethyl ether - (115-10-6)	No data available.	No data available.	308.00, Rat - Category: NA	No data available.	No data available.
1,1-Difluoroethane - (75-37-6)	No data available.	No data available.	No data available.	No data available.	No data available.
Polysiloxanes, lauryl Me, Me 2-phenylpropyl - (68037-76-3)	No data available.	No data available.	No data available.	No data available.	No data available.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
75-37-6	1,1-Difluoroethane	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
115-10-6	Dimethyl ether	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
68037-76-3	Polysiloxanes, lauryl Me, Me 2-phenylpropyl	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

**Possible routes of entry:**No available information

**Symptoms and effects, both acute and delayed:**

No chronic toxicity or long term toxicity information available. Treat symptomatically.

**Inhalation** May cause drowsiness or dizziness.

## Section 12. Ecological information

### Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Dimethyl ether - (115-10-6)	1,783.04, Fish	755.55, Daphnia sp	154.92, Algae
1,1-Difluoroethane - (75-37-6)	No data available.	No data available.	No data available.
Polysiloxanes, lauryl Me, Me 2-phenylpropyl - (68037-76-3)	No data available.	No data available.	No data available.

### Persistence and degradability

There is no data available on the preparation itself.

### Bioaccumulative potential

No available information.

### Mobility in soil

No available information.

### Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

### Other adverse effects

No available information.

## Section 13. Disposal considerations

### Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

## Section 14. Transport information

When shipped in containers of 0.3 gallons (1 L) or less this material may be reclassified in accordance with DOT regulations 49 CFR 173.150 / IATA DGR packing instruction Y341/ IMDG Code 3.4 as: Limited Quantity.

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
<b>UN number</b>	UN1950	UN1950	UN1950
<b>UN proper shipping name</b>	Aerosols	Aerosols, flammable (each not exceeding 1 L capacity)	Aerosols, flammable
<b>Transport hazard class(es)</b>	<b>Class:2.1</b> <b>Sub Class:</b> Not Applicable	<b>Class:2.1</b> <b>Sub Class:</b> Not Applicable	<b>Class:2.1</b> <b>Sub Class:</b> Not Applicable
<b>Packing group</b>	Not Applicable	Not Applicable	Not Applicable

### Environmental hazards

IMDG Marine Pollutant: No;

### Special precautions for user

No available information

## Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

### Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0000075-37-6	1,1-Difluoroethane	Yes		ACTIVE
0000115-10-6	Dimethyl ether	Yes		ACTIVE
0068037-76-3	Polysiloxanes, lauryl Me, Me 2-phenylpropyl	Yes	UVCB XU	ACTIVE

### EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



**Section 16. Other information**

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**NFPA**

**Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS**

**Health Hazards**

1

**Flammability**

3

**Physical Hazards**

0

**Personal Protection**

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H336 May cause drowsiness and dizziness.

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

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