



**Section 1. Identification**

**Product identifier** 41112N

**Product Identity** D.F.L. Dry Film Lube Mold Release

**Other means of identification** D.F.L. Dry Film Lube 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**

Flam. Gas 1;H220	Extremely flammable gas.
Press. Gas;H280	Contains gas under pressure; may explode if heated.
{PCField5d}	May cause drowsiness or dizziness.
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.

**Label elements****Danger**

H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.  
H336 May cause drowsiness and dizziness.  
May displace oxygen and cause rapid suffocation.

**[Prevention]:**

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.  
P261 Avoid breathing dust, fume, gas, mist, vapours, spray.  
P271 Use only outdoors or in a well-ventilated area.

**[Response]:**

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER, doctor or physician if you feel unwell.  
P377 Leaking gas fire - do not extinguish unless leak can be stopped safely.  
P381 In case of leakage, eliminate all ignition sources.

**[Storage]:**

P403+233 Store in a well ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P410+403 Protect from sunlight. Store in a well ventilated place.

**[Disposal]:**

P501 Dispose of contents or container in accordance with local and national regulations.

### Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the NOM-018-STPS-2015 Regulation.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
1,1-Difluoroethane CAS Number: 75-37-6	45 - 55	Flam. Gas 1;H220 Liquified Gas;H280 STOT SE 3;H336 Simple Asphyxiant	----
Dimethyl ether CAS Number: 115-10-6	45 - 55	Flam. Gas 1;H220 Press. Gas;H280	----
Fatty acids, c18-unsatd., phosphates CAS Number: 68604-99-9	1 - 5		----
Isopropyl Alcohol CAS Number: 67-63-0	1 - 6	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	----

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** Treat symptomatically. Exposure to solvent vapour 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.

<b>Section 5. Fire-fighting measures</b>
--

#### 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, vapours, 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.

ERG Guide No.

----

**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 vapours. 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**

CAS No.	Ingredient	Source	Value
67-63-0	Isopropyl Alcohol	ACGIH	200 ppm 400 ppm
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	200 ppm TWA VLE-PPT 400 ppm STEL [PPT-CT]
75-37-6	1,1-Difluoroethane	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit
115-10-6	Dimethyl ether	ACGIH	TWA: 1000 ppm
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit
68604-99-9	Fatty acids, c18-unsatd., phosphates	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	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 vapour 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**

<b>Appearance</b>	Milky-white Pressurized aerosol dispensed as a mist.
<b>Odour</b>	Slight Alcohol
<b>Odour threshold</b>	No available information
<b>pH</b>	Not Available
<b>Melting point / freezing point</b>	<-45 °C / <-50 °F
<b>Initial boiling point and boiling range</b>	No available information
<b>Flash Point</b>	Not applicable
<b>Evapouration rate (Ether = 1)</b>	Extremely rapid
<b>Flammability (solid, gas)</b>	Extremely flammable gas.
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit: 4.0%</b>
	<b>Upper Explosive Limit: 25.0%</b>
<b>Vapour pressure (Pa)</b>	No available information
<b>Vapour Density</b>	No available information
<b>Relative Density</b>	1.0 (Water = 0)
<b>Solubility in Water</b>	No available information
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Auto-ignition temperature</b>	No available information
<b>Decomposition temperature</b>	No available information
<b>Viscosity (cSt)</b>	No available information
<b>Oxidising properties</b>	No available information
<b>Explosive properties</b>	No available information
<b>Density</b>	Weight per gallon: 8.37

**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 vapour 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).





**Safety Data Sheet**  
**D.F.L. Dry Film Lube Mold Release**

**SDS Revision Date: 01/22/2025**

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
1,1-Difluoroethane - (75-37-6)	No data available.	No data available.	No data available.	No data available.	No data available.
Dimethyl ether - (115-10-6)	No data available.	No data available.	308.00, Rat - Category: NA	No data available.	No data available.
Fatty acids, c18-unsatd., phosphates - (68604-99-9)	No data available.	No data available.	No data available.	No data available.	No data available.
Isopropyl Alcohol - (67-63-0)	5,840.00, Rat - Category: NA	16,400.00, Rabbit - Category: NA	72.60, Rat - Category: NA	No data available.	No data available.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
67-63-0	Isopropyl Alcohol	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
		ACGIH	A4
75-37-6	1,1-Difluoroethane	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
115-10-6	Dimethyl ether	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
68604-99-9	Fatty acids, c18-unsatd., phosphates	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: 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:**

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
1,1-Difluoroethane - (75-37-6)	No data available.	No data available.	No data available.
Dimethyl ether - (115-10-6)	1,783.04, Fish	755.55, Daphnia sp	154.92, Algae
Fatty acids, c18-unsatd., phosphates - (68604-99-9)	No data available.	No data available.	No data available.
Isopropyl Alcohol - (67-63-0)	10,000.00, Pimephales promelas	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.

Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations.

	<b>SCT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<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>DOT Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> 2.1 <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> 2.1 <b>Sub Class:</b> Not Applicable
<b>Packing group</b>	Not Applicable	Not Applicable	Not Applicable

**Environmental hazards**

Marine Pollutant: No;

**Special precautions for user**

No available information

**Section 15. Regulatory information**

This product has been classified in accordance with the hazard criteria of NOM-018-STPS-2015 and the SDS contains the information required by those regulations.

**Mexico - National Inventory of Chemical Substances (INSQ):**

1,1-Difluoroethane

Dimethyl ether

Isopropyl Alcohol



**Section 16. Other information**

**SDS Revision Date** 01/22/2025

<b><u>NFPA</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> 1	<b>Flammability</b> 3	<b>Physical Hazards</b> 0	<b>Personal Protection</b> B

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.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

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.

**End of Document**