

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # 41212N-EU
Product Code 53124
Product Name Slide Water-Soluble Release 41212N

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Industrial mold release

1.3. Details of the Supplier of the Safety Data Sheet

Supplier

Slide Products Inc.
430 S. Wheeling Road
Wheeling, IL 60090

For further information, please contact

Contact Point Slide Products: 1-847-541-7220
Email Address info@slideproducts.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Labeling according to Regulation (EC) No. 1272/2008 [CLP].

Flammable Aerosols	Category 2
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Classification according to 67/548/EEC

Full text of R-phrases: see section 16

Hazard Symbols

F - Highly flammable

R-code(s)

R-11

2.2. Label Elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP].

**Signal Word**

Warning

Hazard Statements

H223 - Flammable aerosol

EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking

P211 - Do not spray on an open flame or other ignition source

P251 - Pressurized container: Do not pierce or burn, even after use

2.3. Other Hazards**General Hazards**

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Dimethyl ether	Present	115-10-6	45-55	F+; R12	Flam. Gas 1 (H220) Press. Gas (H280)	Not determined
1,1,1,2-Tetrafluoroethane	Present	811-97-2	45-55	-	Not determined	Not determined

Full text of R-phrases: see section 16**Full text of H- and EUH-phrases: see section 16****Additional Information**

Substances without a classification are included, because they have established occupational exposure limits

Section 4: FIRST AID MEASURES**4.1. Description of First Aid Measures**

Eye Contact	Flush with plenty of water, call a physician immediately.
Skin Contact	Wash with soap and water.
Inhalation	Remove to fresh air location.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms Excessive inhalation can produce dizziness, nausea and headache. Concentrated spray may cause freezing of skin area. Temporary eye irritation.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES**5.1. Extinguishing Media****Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO₂). Foam.

Unsuitable Extinguishing Media

Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Aerosols may rupture violently at temperatures above 120 F.

Hazardous Combustion Products

HF and other Fluorine compounds.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Use personal protective equipment as required.

For Emergency Responders

Use personal protection recommended in Section 8.

6.2. Environmental Precautions

Collect spillage.

6.3. Methods and Material for Containment and Cleaning Up**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Remove leaking container to outside disposal site.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE**7.1. 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 smoke while using product. Do not spray on floors.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for Safe Storage, Including any Incompatibilities**Storage Conditions**

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

7.3. Specific End Use(s)**Specific Use(s)**

Industrial mold release.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control Parameters****Exposure Limits**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Dimethyl ether 115-10-6	TWA 1000 ppm TWA 1920 mg/m ³	STEL: 500 ppm STEL: 958 mg/m ³ TWA: 400 ppm TWA: 766 mg/m ³	TWA: 1000 ppm TWA: 1920 mg/m ³	TWA: 1000 ppm TWA: 1920 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ Ceiling / Peak: 8000 ppm Ceiling / Peak: 15200 mg/m ³
1,1,1,2-Tetrafluoroethane 811-97-2		STEL: 3000 ppm STEL: 12720 mg/m ³ TWA: 1000 ppm TWA: 4240 mg/m ³			TWA: 1000 ppm TWA: 4200 mg/m ³ Ceiling / Peak: 8000 ppm Ceiling / Peak: 33600 mg/m ³
Component	Italy	Portugal	Netherlands	Finland	Denmark
Dimethyl ether 115-10-6 (45-55)	TWA: 1000 ppm TWA: 1920 mg/m ³		STEL: 1500 mg/m ³ TWA: 950 mg/m ³	TWA: 1000 ppm TWA: 2000 mg/m ³	TWA: 1000 ppm TWA: 1920 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Dimethyl ether 115-10-6	STEL 2000 ppm STEL 3820 mg/m ³ TWA: 1000 ppm TWA: 1910 mg/m ³	TWA: 1000 ppm TWA: 1910 mg/m ³	TWA: 1000 mg/m ³	TWA: 200 ppm TWA: 384 mg/m ³ STEL: 250 ppm STEL: 480 mg/m ³	TWA: 1000 ppm TWA: 1920 mg/m ³
1,1,1,2-Tetrafluoroethane 811-97-2	STEL 4000 ppm STEL 16800 mg/m ³ TWA: 1000 ppm TWA: 4200 mg/m ³	TWA: 1000 ppm TWA: 4200 mg/m ³			

8.2. Exposure Controls**Engineering Controls**

Showers. Eyewash stations. Ventilation systems.

Personal Protective Equipment**Eye/Face Protection**

Proper eye care should be practiced in all industrial operations.

Hand Protection

Protective gloves are not required, but recommended.

Skin and Body Protection

Suitable protective clothing.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Slight, ethereal odor
Appearance	Clear, colorless liquid	Odor Threshold	Not determined
Color	Clear, colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	<-45.6 °C / <-50 °F	
Boiling Point/Boiling Range	Not available	
Flash Point	Not available	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limits in Air		
Upper Flammability Limits	25.0%	
Lower Flammability Limit	4.0%	
Vapor Pressure	Not available	
Vapor Density	Not available	
Relative Density	1.0	(Water = 1)
Water Solubility	Partially soluble	
Solubility(ies)	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	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Hazardous Polymerization

Under normal conditions of storage and use, hazardous polymerization will not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Open flames. High temperatures. Incompatible Materials.

10.5. Incompatible Materials

Powdered or alkaline earth metals.

10.6. Hazardous Decomposition Products

HF and other Fluorine compounds.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	Do not inhale.
Ingestion	Do not ingest.
Unknown Acute Toxicity	0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

Oral LD50	99,999.00
Units	mg/kg
Dermal LD50	99,999.00
Units	mg/kg
Inhalation	
Gas	99,999.00
Units	mg/L
Mist	99,999.00
Units	mg/L
Vapor	512.00
Units	mg/L

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl ether			= 308.5 mg/L (Rat) 4 h
1,1,1,2-Tetrafluoroethane			= 1500 g/m ³ (Rat) 4 h

Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Not classified.
Sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	None known based on information supplied.
Reproductive toxicity	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Symptoms	Please see section 4 of this SDS for symptoms.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Dimethyl ether	-0.18

12.4. Mobility in Soil**Mobility**

Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Not determined.

Section 13: DISPOSAL CONSIDERATIONS
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13.1. Waste Treatment Methods**Waste from Residues / Unused Products**

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

Contaminated Packaging

Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION
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IMDG

14.1 UN/ID No	UN1950
14.2 Proper Shipping Name	Aerosols
14.3 Hazard Class	2.1

RID

14.1 UN/ID No	UN1993
14.2 Proper Shipping Name	Aerosols
14.3 Hazard Class	2.1

ADR

14.1 UN/ID No	UN1993
14.2 Proper Shipping Name	Aerosols
14.3 Hazard Class	2.1

ICAO (air)

14.1 UN/ID No	UN1993
14.2 Proper Shipping Name	Aerosols, flammable
14.3 Hazard Class	2.1

IATA

14.1 UN/ID No	UN1950
14.2 Proper Shipping Name	Aerosols, flammable
14.3 Hazard Class	2.1

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

Section 15: REGULATORY INFORMATION**15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture****European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

International Inventories

Not determined.

TSCA	-
EINECS/ELINCS	-
DSL/NDSL	-
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: OTHER INFORMATION**Full text of R-phrases referred to under sections 2 and 3**

R12 - Extremely flammable

R11 - Highly flammable

Full text of H-Statements referred to under sections 2 and 3

H220 - Extremely flammable gas

H280 - Contains gas under pressure; may explode if heated

Classification Procedure

Calculation method

Issue Date: 01-Sep-2012

Revision Date: 01-Jan-2015

Revision Note: New format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

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