Safety Data Sheet

Issue Date: 01-Sep-2012 **Revision Date:** 01-Jan-2015 **Version** 2

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

1.1. Product Identifier

SDS # 41412N-EU
Product Code 41412N
Product Name Slide Polycarbonate MR

Formula 53125

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

Flammable Aerosols	Category 2

Classification according to 67/548/EEC
Full text of R-phrases: see section 16

R-code(s)
R10

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

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
Silicone Fluid	-	68037-77-4	1-10	-	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 Rinse thoroughly with plenty of water, also under the eyelids. Call a physician.

Skin Contact Wash with soap and water.

Inhalation Remove to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

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

Symptoms Headache. Dizziness. Nausea. Concentrated spray may cause freezing of skin area. Direct contact with eyes may cause temporary 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. Pressurized container: May burst if heated. Product is not flammable by aerosol Standards.

Hazardous Combustion Products	Hydrogen fluoride 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	Remove all sources of ignition.
Methods for Clean-Up	Place in appropriate containers for disposal.

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 drop, puncture, or incinerate. 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
Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct 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 Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Proper eye care is needed in all industrial operations.
Hand Protection Protective gloves are not required, but recommended.
Skin and Body Protection Suitable protective clothing.
Respiratory Protection Provide adequate ventilation.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State Aerosol
Appearance Clear, oily, colorless liquid
Color Colorless
Odor No odor
Odor Threshold Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting Point/Freezing Point	< -46 °C / <-50 °F	
Boiling Point/Boiling Range	Not available	
Flash Point	Not available	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not available	
Vapor Density	Not available	
Relative Density	1.0	(Water = 1)
Water Solubility	Not 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	

9.2. Other information

Density 8.37 weight/gallon

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

Hazardous polymerization does not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

High heat or open flames.

10.5. Incompatible Materials

Powdered or alkaline earth metals.

10.6. Hazardous Decomposition Products

Hydrogen fluoride 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 4% 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	533.00
Units	mg/L

Component Information

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

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

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.

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	UN1950
14.2 Proper Shipping Name	Aerosols
14.3 Hazard Class	2.1

ADR

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

ICAO (air)

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

IATA

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

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

TSCA	Listed
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

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

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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
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End of Safety Data Sheet