

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

1.1. Product Identifier

SDS # 44612E-EU
Product Code 44612E
Product Name Silicone Quick Silicone MR

Formula 54572

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

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Chronic aquatic toxicity	Category 3
Flammable Aerosols	Category 2

Classification according to 67/548/EEC

Full text of R-phrases: see section 16

Hazard Symbols

T - Toxic

R-code(s)

Repr. cat. 2;R60 - Repr. cat. 3;R63 - Xn;R48/20 - Xi;R36/37/38 - R67; R10

2.2. Label Elements

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

**Signal Word**

Danger

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H360 - May damage fertility or the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

H412 - Harmful to aquatic life with long lasting effects

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H229 - Pressurized container: May burst if heated

H223 - Flammable aerosol

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

P201 - Obtain special instructions before use

P281 - Use personal protective equipment as required

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P202 - Do not handle until all safety precautions have been read and understood

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

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	65-75	F+; R12	Flam. Gas 1 (H220) Press. Gas (H280)	Not determined

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
n-Propyl bromide	Present	106-94-5	25-35	F; R11 Xi; R36/37/38 Xn; R48/20 Repr.Cat.2; R60 Repr.Cat.3; R63 R67	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 1B (H360FD) STOT SE 3 (H335) STOT SE 3 (H336) STOT RE 2 (H373) Flam. Liq. 2 (H225)	Not determined
Polydimethylsiloxane	-	63148-62-9	1-5	Not classified	Not classified	Not determined

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Additional Information

Substances which do not meet the criteria for classification are included in order to provide full disclosure of the product

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General Advice	If exposed or concerned: Get medical advice/attention.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/ attention.
Inhalation	Remove to fresh air. Oxygen or artificial respiration if needed. Call a poison center or doctor/physician if you feel unwell.
Ingestion	Do not induce vomiting. If conscious, give 1 glass of water or milk to dilute. Call a physician or poison control center immediately.

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

Symptoms	Causes skin irritation. Causes serious eye irritation. Concentrated spray may cause freezing of skin area. Skin contact can lead to drying, defatting, itching, stinging and irritation. Prolonged breathing of vapors may cause nausea, headache, weakness and/or dizziness. Irritating to mouth, throat, and stomach if ingested.
-----------------	---

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

Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable Extinguishing Media

Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Non-flammable aerosol. Aerosols may rupture violently at temperatures above 120 F. Pressurized container: May burst if heated. Vapors can form flammable mixtures in a narrow range of 4.6% to 8.5% by volume in air.

Hazardous Combustion Products

Carbon oxides. Hydrogen bromide.

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

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

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**

Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. 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. Store locked up. 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
n-Propyl bromide 106-94-5				TWA: 10 ppm	Skin
Component	Italy	Portugal	Netherlands	Finland	Denmark
Dimethyl ether 115-10-6 (65-75)	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
n-Propyl bromide 106-94-5 (25-35)		TWA: 10 ppm		TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 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
n-Propyl bromide 106-94-5	Skin		TWA: 42 mg/m ³		

8.2. Exposure Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment

Eye/Face Protection

Safety glasses.

Hand Protection

Protective gloves are not required, but recommended. Do not use natural rubber gloves.

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	Odor	Slight odor
Appearance	Clear, oily, colorless liquid	Odor Threshold	Not determined
Color	Clear Colorless		
Property	Values	Remarks • Method	
pH	Not determined		
Melting Point/Freezing Point	< -45 °C / <-50 °F		
Boiling Point/Boiling Range	Not available		
Flash Point	Not available		
Evaporation Rate	Not available		
Flammability (Solid, Gas)	Non-flammable aerosol		
Flammability Limits in Air			
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	139 mmHg @ 70°F		
Vapor Density	Not available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Relative Density	0.78	(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

Bulk Density 6.52 lb/gal @ 60°F

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

Do not puncture or incinerate cans. High heat or open flames.

10.5. Incompatible Materials

Alkaline earth metals. Oxidizers. Bases. Reactive metals. Incompatible with natural rubber.

10.6. Hazardous Decomposition Products

Carbon oxides. Hydrogen bromide.

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on Toxicological Effects****Acute Toxicity****Product Information**

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation.

Inhalation Do not inhale.

Ingestion Do not ingest.

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

Oral LD50	13,815.00
Units	mg/kg
Dermal LD50	3,964.00

Units	mg/kg
Inhalation	
Gas	99,999.00
Units	mg/L
Mist	126.50
Units	mg/L
Vapor	307.00
Units	mg/L

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl ether			= 308.5 mg/L (Rat) 4 h
n-Propyl bromide	= 3600 mg/kg (Rat)		= 253 g/m ³ (Rat) 30 min
Polydimethylsiloxane	> 17 g/kg (Rat)	> 2 g/kg (Rabbit)	

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	None known based on information supplied.
Reproductive toxicity	May damage fertility or the unborn child.
STOT - single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified.
Symptoms	Please see section 4 of this SDS for symptoms.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
n-Propyl bromide		67.3: 96 h Pimephales promelas mg/L LC50 flow-through	

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Dimethyl ether	-0.18
n-Propyl bromide	2.1

12.4. Mobility in Soil**Mobility**

Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Contains no ozone depleting chemicals.

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**IMDG**

14.1 UN/ID No UN1950
 14.2 Proper Shipping Name Aerosols
 14.3 Hazard Class 2.1
 14.5 Marine Pollutant This material may meet the definition of a marine pollutant

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, 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****National Regulations****Occupational Illnesses (R-463-3, France)**

Chemical Name	French RG number	Title
n-Propyl bromide 106-94-5	RG 12	

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

Legend

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

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

R67 - Vapors may cause drowsiness and dizziness

R60 - May impair fertility

R63 - Possible risk of harm to the unborn child

R36/37/38 - Irritating to eyes, respiratory system and skin

R48/20 - Also harmful: danger of serious damage to health by prolonged exposure through inhalation

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

H225 - Highly flammable liquid and vapor

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H360FD - May damage fertility. May damage the unborn child

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H373 - May cause damage to organs through prolonged or repeated exposure

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