



Issue Date: 01-Sep-2012

Revision Date: 18-Dec-2018

Version 1

1. Identification

Product identifier

Product Name Slide Universal Mold Release

Other means of identification

SDS # 42612H-MX

Product Code 42612H

Synonyms Severely hydro-treated paraffinic white oil
Slide Universal

Other Information Formula: 53134

Recommended use of the chemical and restrictions on use

Recommended Use Industrial mold release

Details of the supplier of the safety data sheet

Manufacturer Address

Slide Products Inc.
430 Wheeling Road
Wheeling, IL 60090
Phone: 1-847-541-7220
Fax: 1-847-541-7986

Emergency telephone number

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

2. Hazard(s) identification

Classification

Flammable aerosols	Category 2 -(H223)
Gases under pressure	Compressed gas -(H280)

Label elements

Signal word

Warning

Hazard statements

H223 - Flammable aerosol

H280 - Contains gas under pressure; may explode if heated



Flame
Gas cylinder

Precautionary Statements - Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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

Precautionary Statements - Storage

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

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Synonyms

Severely hydro-treated paraffinic white oil
Slide Universal.

Chemical Family

hydrocarbon.

Chemical name	CAS No	Weight-%
Dimethyl ether	115-10-6	40-50
1,1,1,2-Tetrafluoroethane	811-97-2	40-50
Mineral Oil	8042-47-5	1-7

4. First-aid measures

Description of first aid measures

Inhalation

Remove to fresh air.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
Consult a physician.

Skin contact

Wash skin with soap and water.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms.

Prolonged breathing of vapors can cause nausea, headache, weakness and/or dizziness
Concentrated spray can cause freezing of skin area Direct contact with eyes can cause temporary irritation

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Foam.
Unsuitable extinguishing media	Not determined.
Specific hazards arising from the chemical	Aerosols may rupture violently at temperatures above 120 F. Product is not flammable by aerosol Standards.
Explosion Data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective actions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Remove leaking container to outside disposal site. Remove all sources of ignition.

Methods for cleaning up Keep in suitable, closed containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 spray on floors.

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.

8. Exposure controls/personal protection

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Proper eye care is needed in all industrial operations.

Skin and body protection Protective gloves are not required, but recommended.

Respiratory protection No protection is ordinarily required under normal conditions of use and with adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state Aerosol
Appearance Cream-colored, oily liquid
Color Cream
Odor Slight ether
Odor Threshold Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	< -45.6 °C / -50 °F	
Boiling point / boiling range	Not available	
Flash point	Non flammable spray flame projection test	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	25	
Lower flammability or explosive limits	4	
Vapor Pressure	Not available	
Vapor Density	Not available	
Relative Density	1.0	
Water Solubility	partially soluble	
Solubility in other solvents	No data available	
Partition Coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic Viscosity	No data available	
<u>Other information</u>		
Oxidizing properties	No data available	
Explosive properties	No data available	
Molecular weight	No data available	
VOC Content (%)	96	
Liquid Density	No data available	
Bulk density	No data available	

10. Stability and reactivity

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to Avoid	High heat or open flames.
Incompatible materials	Powdered or alkaline earth metals.
Hazardous decomposition products	Hydrogen fluoride and other fluorine compounds.

11. Toxicological information

Information on likely routes of exposure

Product Information	.
Inhalation	Do not inhale.
Eye contact	Avoid contact with eyes.
Skin contact	Avoid contact with skin.
Ingestion	Do not ingest.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Please see section 4 of this SDS for symptoms.
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Acute toxicity

Numerical measures of toxicity

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

Oral LD50 52,052.00 mg/kg

Unknown acute toxicity 48 % of the mixture consists of ingredient(s) of unknown toxicity
 48 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 48 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl ether 115-10-6	-	-	= 164000 ppm (Rat) 4 h
1,1,1,2-Tetrafluoroethane 811-97-2	-	-	= 1500 g/m ³ (Rat) 4 h
Mineral Oil 8042-47-5	> 5000 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Interactive effects	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Not classified.
Respiratory or skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Other information	Not classified.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1,1,1,2-Tetrafluoroethane 811-97-2	-	96 hour LC50-Rainbow Trout: 450 mg/L	-	48 hour EC50-Daphnia magna: 980 mg/L
Mineral Oil 8042-47-5	-	10000: 96 h Lepomis macrochirus mg/L LC50	-	-

Persistence/Degradability No data available.

Bioaccumulation No data available.

Component Information

Chemical name	Partition coefficient
Dimethyl ether 115-10-6	-0.18
Mineral Oil 8042-47-5	>6

Other Adverse Effects No data available.

13. Disposal considerations**Waste Treatment Methods**

Waste from residues/unused products Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse empty containers.

14. Transport information

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

MEX

UN/ID No UN1950
 Proper Shipping Name Aerosols
 Hazard class 2.1

TDG

UN/ID No UN1950
 Proper Shipping Name Aerosols
 Hazard class 2.1

DOT

UN/ID No UN1950
 Proper Shipping Name Aerosols
 Hazard class 2.1

IATA

UN number UN1950
 Proper Shipping Name Aerosols, non-flammable
 Transport hazard class(es) 2.1

IMDG

UN number UN1950
 Proper Shipping Name Aerosols
 Transport hazard class(es) 2.1

15. Regulatory information

REGULATORY INFORMATION

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Dimethyl ether	X	X	X	X	X	X	X	X
1,1,1,2-Tetrafluoroethane	X	X	X	X	X	X	X	X
Mineral Oil	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

16. Other information				
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<u>NFPA</u>	Health hazards Not determined	Flammability Not determined	Instability Not determined	Physical and chemical properties Not determined
<u>HMIS</u>	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection B

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 RTECS (Registry of Toxic Effects of Chemical Substances)
 World Health Organization

Issue Date: 01-Sep-2012

Revision Date: 18-Dec-2018

Revision Note: New format.

NOM-018-STPS-2015

The information is believed to be accurate, but it is not exhaustive and must be used only as guidance. It is based on the current state of knowledge of the chemical substance or mixture and is applicable to the appropriate safety precautions for the product.

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