



Safety Data Sheet

Issue Date: 11-Sep-2018

Revision Date: 14-Dec-2018

Version 1

1. Identification

Product identifier

Product Name Slide Econo-Spray 1 Silicone Mold Release

Other means of identification

SDS # 40510P-MX

Product Code 40510

Other Information Formula: 54924

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

| | |
|--|-------------------------|
| Acute toxicity - Dermal | Category 5 - (H313) |
| Skin corrosion/irritation | Category 2 - (H315) |
| Reproductive toxicity | Category 2 - (H361) |
| Specific target organ toxicity (single exposure) | Category 3 - (H336) |
| Aspiration hazard | Category 1 - (H304) |
| Flammable aerosols | Category 1 - (H222) |
| Gases under pressure | Compressed gas - (H280) |

Label elements

Signal word

Danger

Hazard statements

- H304 - May be fatal if swallowed and enters airways
- H313 - May be harmful in contact with skin
- H315 - Causes skin irritation
- H336 - May cause drowsiness or dizziness
- H361 - Suspected of damaging fertility or the unborn child
- H222 - Extremely flammable aerosol
- H280 - Contains gas under pressure; may explode if heated



- Exclamation mark
- Health hazard
- Flame
- Gas cylinder

Precautionary Statements - Prevention

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray
- P271 - Use only outdoors or in a well-ventilated area
- 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 - Response

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

Skin

- P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
- P362 + P364 - Take off contaminated clothing and wash it before reuse
- P332 + P313 - If skin irritation occurs: Get medical advice/attention

Inhalation

- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P312 - Call a POISON CENTER or doctor if you feel unwell

Ingestion

- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
- P331 - Do NOT induce vomiting

Precautionary Statements - Storage

- P405 - Store locked up
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

- Dispose of contents/container to an approved waste disposal plant

Other Information

Very toxic to aquatic life with long lasting effects

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

| Chemical name | CAS No | Weight-% |
|----------------------|------------|----------|
| Heptane | 142-82-5 | 60-70 |
| Propane | 68476-86-8 | 25-35 |
| Polydimethylsiloxane | 63148-62-9 | 1-10 |

4. First-aid measures

Description of first aid measures

| | |
|-----------------------|--|
| General advice | IF exposed or concerned: Get medical advice/attention. |
| Inhalation | Remove to fresh air. If breathing is difficult, give oxygen. |
| 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. If skin irritation persists, call a physician. |
| Ingestion | Do NOT induce vomiting. Drink plenty of water or milk immediately. Call a physician immediately. |

Most important symptoms and effects, both acute and delayed

| | |
|------------------|---|
| Symptoms. | Irritating to mouth, throat, and stomach if ingested Overexposure by inhalation can cause headaches, nausea, dizziness, decreased blood pressure Causes skin irritation and defatting of skin with repeated/prolonged contact Exposed individuals will experience eye tearing, redness and discomfort |
|------------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

5. Fire-fighting measures

| | |
|---|---|
| Suitable Extinguishing Media | Carbon dioxide (CO2). Foam. Dry chemical. Water spray or fog. |
| Unsuitable extinguishing media | Not determined. |
| Specific hazards arising from the chemical | Pressurized container: May burst if heated. Aerosols may rupture violently at temperatures above 120 F. Vapors can form explosive mixtures with air. Aerosol flame projection test: >18" extension at 70 F. |
| Hazardous combustion products | Carbon oxides. |

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 Prevent further leakage or spillage if safe to do so.

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 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

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 direct sunlight. Keep away from heat. Do not store at temperatures above 120°F.

8. Exposure controls/personal protection

Control parameters

Exposure Limits NOM-010-STPS-2014.

| Chemical name | TWA | STEL | Ceiling Limit Value |
|-----------------------|-----------------------------------|-----------------------------------|---------------------|
| N-Heptane 142-82-5 | 400 ppm 1600 mg/m ³ | 500 ppm 2000 mg/m ³ | - |

Appropriate engineering controls

Engineering controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses.

| | |
|---------------------------------------|--|
| Skin and body protection | Protective gloves are not required, but recommended. |
| Respiratory protection | If necessary, refer to appropriate regulations and standards. |
| 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 | Clear liquid in an aerosol |
| Color | Not determined |
| Odor | Not determined |
| Odor Threshold | Not determined |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|-------------------|-------------------------|
| pH | No data available | |
| Melting point / freezing point | No data available | |
| Boiling point / boiling range | 70 °C / 158 °F | |
| Flash point | Not available | |
| Evaporation Rate | Faster than ether | |
| Flammability (Solid, Gas) | No data available | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | 7.5% | |
| Lower flammability or explosive limits | 1.2% | |
| Vapor Pressure | 137 mm Hg | |
| Vapor Density | Heavier than air | |
| Relative Density | 0.6288 | |
| Water Solubility | No data available | |
| 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 | |
| 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. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Conditions to Avoid | Avoid temperatures above 120°F. Do not puncture or incinerate cans. |
| Incompatible materials | None known based on information supplied. |

Hazardous decomposition products Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Product Information

- Inhalation** Do not inhale.
- Eye contact** Avoid contact with eyes.
- Skin contact** May be harmful in 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.

Acute toxicity

Numerical measures of toxicity

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

- ATEmix (dermal)** 4,316.80 mg/kg
- ATEmix (inhalation-dust/mist)** 158.50 mg/l

- Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------------|-------------------------------------|-------------------------|------------------------------------|
| Heptane 142-82-5 | - | = 3000 mg/kg (Rabbit) | = 103 g/m ³ (Rat) 4 h |
| Polydimethylsiloxane 63148-62-9 | > 24 g/kg (Rat) > 17 g/kg (Rat) | > 2 g/kg (Rabbit) | - |

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

- Interactive effects** Not classified.
- Skin corrosion/irritation** Causes skin irritation.
- 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 Suspected of damaging fertility or the unborn child.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure Not classified.

Aspiration hazard May be fatal if swallowed and enters airways.

Other information Not classified.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------------|----------------------|---------------------------------------|----------------------------|-------------------------------------|
| Heptane 142-82-5 | - | 375.0: 96 h Cichlid fish mg/L LC50 | - | 10: 24 h Daphnia magna mg/L EC50 |

Persistence/Degradability No data available.

Bioaccumulation There is no data for this product.

Component Information

| Chemical name | Partition coefficient |
|-----------------------|-----------------------|
| Heptane 142-82-5 | 4.66 |
| Propane 68476-86-8 | <=2.8 |

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

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

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, flammable
Transport hazard class(es) 2.1

IMDG

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

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 L | EINECS/ ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|----------------------|------|---------------|-------------------|------|-------|------|-------|------|
| Heptane | X | X | X | X | X | X | X | X |
| Propane | X | X | X | | X | X | X | X |
| Polydimethylsiloxane | 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

| | | | | |
|--------------------|-------------------------------|-----------------------------|----------------------------|---|
| <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 4 | 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

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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