

1. IDENTIFICATION

Product Identifier

Product Name Slide Econo-Spray 3 Mold Release

Other means of identification

SDS # 40810

UN/ID No UN1950

Product Code 40810

Synonyms Mixture, hexane and polyalkylene glycol; Heavy Duty Paintable Release

Other Information Formula: 54924.

Recommended use of the chemical and restrictions on use

Recommended Use Mold Release.

Details of the supplier of the safety data sheet

Supplier Address

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

Emergency telephone number

Company Phone Number Phone: 1-847-541-7220

Fax: 1-847-541-7986

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

2. HAZARDS IDENTIFICATION

Classification

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

Signal word

Danger

Hazard statements

Causes skin irritation
Causes severe eye irritation
May cause genetic defects
Suspected of damaging fertility or the unborn child
May cause respiratory irritation. May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways

Flammable aerosol

Pressurized container: May burst if heated



Appearance Clear liquid in an aerosol

Physical state Aerosol

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Wear eye/face protection
 Do not breathe dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 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

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 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

Hazards not otherwise classified (HNOC)

May be harmful in contact with skin

Other Information

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Mixture, hexane and polyalkylene glycol;, Heavy Duty Paintable Release.

Chemical Family

Aliphatic hydrocarbon.

Chemical Name	CAS No	Weight-%	Trade Secret
Hexane	110-54-3	60-70	*

Propane	74-98-6	15-25	*
N-Butane	106-97-8	9-16	*
Polyalkylene Glycol	9003-13-8	2-4	*

4. FIRST AID MEASURES

First aid measures

General advice	If exposed or concerned: Get medical advice/attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call a physician immediately. Drink plenty of water or milk immediately.
Skin Contact	Wash off immediately with soap and plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

Most important symptoms and effects, both acute and delayed

Symptoms	Irritating to mouth, throat, and stomach if ingested. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Skin contact can lead to drying, defatting, itching, stinging and irritation. Exposed individuals may experience eye tearing, redness and discomfort.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical. Foam. Water spray (fog).

Unsuitable Extinguishing Media Not determined.

Specific hazards arising from the chemical

Aerosols may rupture violently at temperatures above 120 F. Aerosol flame projection test: >18" extension at 70 F. Vapors may form explosive mixture with air.

Hazardous combustion products Carbon oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required.

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

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

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

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/sparks/open flames/hot surfaces. — No smoking. Do not spray near open flame. Pressurized container: Do not pierce or burn, even after use. Do not drop.

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. Do not store at temperatures above 120 F.

Incompatible materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hexane 110-54-3	STEL: 1000 ppm other than n-Hexane TWA: 50 ppm TWA: 500 ppm other than n-Hexane S*	TWA: 500 ppm TWA: 1800 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m ³ (vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m ³	IDLH: 1100 ppm Ceiling: 510 ppm 15 min Ceiling: 1800 mg/m ³ 15 min TWA: 50 ppm TWA: 180 mg/m ³ TWA: 100 ppm other than n-Hexane TWA: 350 mg/m ³ other than n-Hexane
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
N-Butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	TWA: 800 ppm TWA: 1900 mg/m ³

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 Safety glasses should always be worn in an industrial operation.

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	Odor	Not determined
Appearance	Clear liquid in an aerosol	Odor threshold	Not determined
Color	clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting point/freezing point	Not determined	
Boiling point/boiling range	70.6 °C / 159 °F	
Flash point	Not applicable	
Evaporation rate	Faster than ether	
Flammability (solid, gas)	Not determined	
Flammability Limits in Air		
Upper flammability limits	7.5	
Lower flammability limit	1.2	
Vapor pressure	137 mmHg	@ 20 C
Vapor density	Heavier than air	
Specific Gravity	0.6288	
Water solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	Not determined	
Explosive properties	Not determined	
Oxidizing properties	Not determined	

Other Information

VOC Content (%) 97%

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Do not puncture or incinerate cans. Avoid temperatures above 120 °F. Avoid all possible sources of ignition.

Incompatible materials

None known.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	Avoid breathing vapors or mists.
Eye contact	Causes severe eye irritation.
Skin Contact	Causes skin irritation.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hexane 110-54-3	25 g/kg (Rat)	3000 mg/kg (Rabbit)	48000 ppm (Rat) 4 h
Propane 74-98-6	-	-	658 mg/L (Rat) 4 h
N-Butane 106-97-8	-	-	658 mg/L (Rat) 4 h
Polyalkylene Glycol 9003-13-8	= 9100 mg/kg (Rat)	= 21200 µL/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms	Irritating to mouth, throat, and stomach if ingested. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Exposed individuals may experience eye tearing, redness, and discomfort.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	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 respiratory irritation. May cause drowsiness or dizziness.
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.

Numerical measures of toxicity- Product

Not determined

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

ATEmix (oral)	7907 mg/kg
ATEmix (dermal)	3118 mg/kg
ATEmix (inhalation-gas)	48148 mg/l
ATEmix (inhalation-dust/mist)	657.9 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects Contains no ozone depleting chemicals.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hexane 110-54-3		2.1-2.98: 96 h Pimephales promelas mg/L LC50 flow-through		>1000: 24 h Daphnia magna mg/L EC50

Persistence and degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Chemical Name	Partition coefficient
Propane 74-98-6	2.3
N-Butane 106-97-8	2.89

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Disposal of wastes**

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

Contaminated packaging

Empty fully, including gas pressure. Do not puncture or incinerate cans. Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of in accordance with federal, state and local regulations.

Chemical Name	California Hazardous Waste Status
Hexane 110-54-3	Toxic Ignitable

14. TRANSPORT INFORMATION

Note

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

DOT

(each not exceeding 1 L capacity)

UN/ID No

UN1950

Proper shipping name

Aerosols

Hazard Class

2.1

IATA

UN/ID No

UN1950

Proper shipping name

Aerosols, flammable

Hazard Class	2.1
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IMDG

UN/ID No	UN1950
Proper shipping name	Aerosols
Hazard Class	2.1

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

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

US Federal Regulations

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Hexane - 110-54-3	110-54-3	60-70	1.0

SARA 311/312 Hazard Categories

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hexane 110-54-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hexane 110-54-3	X	X	X
Propane 74-98-6	X	X	X
N-Butane 106-97-8	X	X	X

U.S. EPA Label Information

16. OTHER INFORMATION

NFPA**Health hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS**Health hazards**

1

Flammability

4

Physical hazards

0

Personal protection

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01-Sep-2012

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29-Nov-2012

Revision Note

new format

Disclaimer

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End of Safety Data Sheet