Safety Data Sheet

Issue Date: 01-Sep-2012 **Revision Date:** 18-Dec-2018 **Version** 1

1. Identification

Product identifier

Product Name Slide Mold Cleaner 4

Other means of identification

SDS # 46910-MX

Product Code 46910

Other Information Formula: 60224

Recommended use of the chemical and restrictions on use

Recommended Use Industrial mold cleaner

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 - Oral	Category 5 - (H303)
Serious eye damage/eye irritation	Category 2 - (H319)
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
H303 - May be harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated

Exclamation mark
Health hazard
Flame
Gas cylinder

Precautionary Statements - Prevention
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P264 - Wash face, hands and any exposed skin thoroughly after handling
P261 - Avoid breathing 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

Eyes
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: 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

3. Composition/information on ingredients

Substance
Not applicable.

Mixture

Chemical Family Aliphatic hydrocarbon.

Chemical name	CAS No	Weight-%
Heptane	142-82-5	30-55
Isopropyl alcohol	67-63-0	30-55
Propane	68476-86-8	10-20

4. First-aid measures

Description of 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.

Skin contact Wash off immediately with soap and plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Ingestion Do NOT induce vomiting. Call a physician immediately. Drink plenty of water or milk immediately.

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 can cause headache, fatigue, dizziness and nausea Skin contact can lead to drying, defatting, itching, stinging and irritation May cause allergic skin reaction 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 Extremely flammable. Aerosol flame projection test: >18" extension at 70 F. Aerosols may rupture violently at temperatures above 120 F. Vapors can form explosive mixtures with air.

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 Remove leaking container to outside disposal site.

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 face, hands and any exposed skin thoroughly after handling. Avoid breathing vapors or mists. Use only outdoors or in a well-ventilated area. 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 drop. Remove all sources of ignition.

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. Keep away from heat.

8. Exposure controls/personal protection

Control parameters

Exposure Limits NOM-010-STPS-2014.

Chemical name	TWA	STEL	Ceiling Limit Value
Heptane 142-82-5	400 ppm 1600 mg/m^3	500 ppm 2000 mg/m^3	-
Isopropyl alcohol 67-63-0	400 ppm 980 mg/m^3	500 ppm 1225 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
Appearance	Clear liquid in an aerosol
Color	Clear
Odor	Not determined
Odor Threshold	Not determined

Property	**Values**	**Remarks • Method**
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	70.6 °C / 159 °F	
Flash point	No data 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 mmHg	@ .? °C
Vapor Density	Heavier than air	
Relative Density	0.6587	
Water Solubility	Insoluble in water	
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	

Other information

Oxidizing properties	No data available
Explosive properties	No data available
Molecular weight	No data available
VOC Content (%)	100
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 Do not puncture or incinerate cans. Avoid temperatures above 120°F.

Incompatible materials None known.

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO2).

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 May be harmful if swallowed.

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

Oral LD50	4,091.60 mg/kg
ATEmix (dermal)	5,296.90 mg/kg
Gas	75,757.60 mg/l
ATEmix (inhalation-dust/mist)	220.00 mg/l

Unknown acute toxicity 1 % of the mixture consists of ingredient(s) of unknown toxicity
1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
1 % 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
Isopropyl alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m^3 (Rat) 4 h

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 Causes serious eye irritation.

Respiratory or skin sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

Chemical name	ACGIH	IARC	NTP	Mexico
Isopropyl alcohol 67-63-0	-	Group 3	-	-

Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity Not classified.

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 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
Naphtha, petroleum, hydrotreated light 64742-49-0	-	-	-	2.6: 96 h Chaetogammarus marinus mg/L LC50
Isopropyl alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis macrochirus µg/L LC50 11130: 96 h Pimephales promelas mg/L LC50 static	-	13299: 48 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
Isopropyl alcohol 67-63-0	0.05
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

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, 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
Heptane	X	X	X	X	X	X	X	X
Isopropyl alcohol	X	X	X	X	X	X	X	X
Propane	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

NFPA	**Health hazards** Not determined	**Flammability** Not determined	**Instability** Not determined	**Physical and chemical properties** Not determined
HMIS	**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