Safety Data Sheet

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

1. Identification

Product identifier

Product Name Slide On/Cycle Mold Cleaner

Other means of identification

SDS # 44212-MX

Product Code 44212

Synonyms Natural Citrus Oil
Citrus Mold Cleaner

Other Information Formula: 52352

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)
Acute toxicity - Dermal	Category 5 - (H313)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Aspiration hazard	Category 1 - (H304)
Flammable aerosols	Category 2 -(H223)
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
H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H223 - 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
P272 - Contaminated work clothing should not be allowed out of the workplace
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

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

Skin
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P362 + P364 - Take off contaminated clothing and wash it before reuse
P333 + P313 - If skin irritation or rash 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

Synonyms Natural Citrus Oil
Citrus Mold Cleaner.

Chemical Family Terpene.

Chemical name	CAS No	Weight-%
D-Limonene	5989-27-5	30-40
Naphtha (petroleum), hydrotreated heavy	64742-48-9	22-32
Isopropyl alcohol	67-63-0	25-30
Propane	68476-86-8	8-18

4. First-aid measures

Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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 with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician if you feel unwell. If skin irritation persists, call a physician. Apply hand cream.

Ingestion Do NOT induce vomiting. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms. 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 Causes eye irritation

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.

Unsuitable extinguishing media Not determined.

Specific hazards arising from the chemical Flammable. Aerosol flame projection test: >18" extension at 70 F. Aerosols may rupture violently at temperatures above 120 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 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 Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing vapors or mists. Do not allow contaminated clothing out of the workplace. Use only in well-ventilated areas. 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.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not store at temperatures above 120°F. Protect from direct sunlight. Keep away from heat.

8. Exposure controls/personal protection

Control parameters

Exposure Limits NOM-010-STPS-2014.

Chemical name	TWA	STEL	Ceiling Limit Value
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	Wash contaminated clothing before reuse.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Aerosol
Appearance	Clear liquid in an aerosol
Color	Clear
Odor	Sweet
Odor Threshold	Not determined

Property	**Values**	**Remarks • Method**
pH	No data available	
Melting point / freezing point	-96.7 °C / -142 °F	
Boiling point / boiling range	177.8 °C / 352 °F	
Flash point	No data available	
Evaporation Rate	slow	
Flammability (Solid, Gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	10	
Lower flammability or explosive limits	1	
Vapor Pressure	1 mmHg	@ .? °C
Vapor Density	4.7	
Relative Density	0.841	
Water Solubility	slightly 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	

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 May be harmful in 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	3,719.10 mg/kg
ATEmix (dermal)	4,508.40 mg/kg
Gas	92,592.60 mg/l
ATEmix (inhalation-dust/mist)	268.90 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
D-Limonene 5989-27-5	= 4400 mg/kg (Rat) = 5200 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
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 Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Not classified.

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

Chemical name	ACGIH	IARC	NTP	Mexico
D-Limonene 5989-27-5	-	Group 3	-	-
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 Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
D-Limonene 5989-27-5	-	35: 96 h Oncorhynchus mykiss mg/L LC50 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
Naphtha (petroleum), hydrotreated heavy 64742-48-9	-	2200: 96 h Pimephales promelas mg/L LC50	-	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
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
Marine Pollutant	This material may meet the definition of a marine pollutant

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
D-Limonene	X	X	X	X	X	X	X	X
Naphtha (petroleum), hydrotreated heavy	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** 3	**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