



Issue Date: 01-Sep-2012

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Version 3

Safety Data Sheet

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # 44212-EU
Product Code 44212
Product Name Slide On/Cycle Mold Cleaner

Synonyms Natural Citrus Oil
Citrus Mold Cleaner
Formula 52352

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Industrial mold cleaner

1.3. Details of the Supplier of the Safety Data Sheet

Supplier

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

For further information, please contact

Contact Point Slide Products: 1-847-541-7220
Email Address info@slideproducts.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Aspiration toxicity	Category 1
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1
Flammable Aerosols	Category 2

Classification according to 67/548/EEC

Full text of R-phrases: see section 16

Hazard Symbols

Xn - Harmful

R-code(s)

R10 - Xn; R65 - Xi; R36/38 - R43 - R67 - R53

2.2. Label Elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP].

**Signal Word**

Danger

Hazard Statements

H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H410 - Very toxic to aquatic life with long lasting effects
H223 - Flammable aerosol

Precautionary Statements - EU (§28, 1272/2008)

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/sparks/open flames/hot surfaces. — 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
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331 - Do NOT induce vomiting
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
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P312 - Call a POISON CENTER or doctor if you feel unwell
P362 - Take off contaminated clothing and wash before reuse
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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
P501 - Dispose of contents/ container to an approved waste disposal plant
P273 - Avoid release to the environment
P391 - Collect spillage

2.3. Other Hazards**General Hazards**

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
D-Limonene	Present	5989-27-5	30-40	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)	Not determined
Naphtha (petroleum), hydrotreated heavy	Present	64742-48-9	22-32	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	Not determined
Isopropyl alcohol	Present	67-63-0	25-30	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	Not determined
Propane	Present	68476-86-8	8-18	Muta. 1B (H340) Carc. 1A (H350) Flam. Gas 1 (H220) Press. Gas	Not determined

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

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.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	Do not induce vomiting. Call a physician immediately.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms	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. Causes eye irritation.
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4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Treat symptomatically.
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Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable Extinguishing Media

Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Extremely flammable. Aerosol flame projection test: >18" extension at 70 F. Aerosols may rupture violently at temperatures above 120 F.

**Hazardous Combustion
Products**

Carbon oxides.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Use personal protective equipment as required.

For Emergency Responders

Use personal protection recommended in Section 8.

6.2. Environmental Precautions

Collect spillage.

6.3. Methods and Material for Containment and Cleaning Up**Methods for Containment**

Remove leaking container to outside disposal site.

Methods for Clean-Up

Place in appropriate containers for disposal.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE**7.1. 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/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 containers.

General Hygiene Considerations

Wash contaminated clothing before reuse.

7.2. 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, sparks, and flame.

7.3. Specific End Use(s)**Specific Use(s)**

Industrial mold cleaner.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control Parameters****Exposure Limits**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
D-Limonene 5989-27-5			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin
Naphtha (petroleum), hydrotreated heavy 64742-48-9					TWA: 50 ppm TWA: 300 mg/m ³ Ceiling / Peak: 100 ppm Ceiling / Peak: 600 mg/m ³
Isopropyl alcohol 67-63-0		STEL: 500 ppm STEL: 1250 mg/m ³ TWA: 400 ppm TWA: 999 mg/m ³	STEL: 400 ppm STEL: 980 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m ³
Component	Italy	Portugal	Netherlands	Finland	Denmark
D-Limonene 5989-27-5 (30-40)				TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	
Isopropyl alcohol 67-63-0 (25-30)		STEL: 400 ppm TWA: 200 ppm		TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³	TWA: 200 ppm TWA: 490 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
D-Limonene 5989-27-5		STEL: 14 ppm STEL: 80 mg/m ³ TWA: 7 ppm TWA: 40 mg/m ³		TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³	
Naphtha (petroleum), hydrotreated heavy 64742-48-9		STEL: 100 ppm STEL: 600 mg/m ³ TWA: 50 ppm TWA: 300 mg/m ³	STEL: 900 mg/m ³ TWA: 300 mg/m ³		
Isopropyl alcohol 67-63-0	STEL 800 ppm STEL 2000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 1200 mg/m ³ TWA: 900 mg/m ³	TWA: 100 ppm TWA: 245 mg/m ³ STEL: 100 ppm STEL: 245 mg/m ³	TWA: 200 ppm STEL: 400 ppm Skin

8.2. Exposure Controls**Engineering Controls**

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

Personal Protective Equipment**Eye/Face Protection**

Safety glasses should always be worn in an industrial operation.

Hand Protection

Protective gloves are not required, but recommended.

Skin and Body Protection

Suitable protective clothing.

Respiratory Protection

No protective equipment is needed under normal use conditions.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	Aerosol	Odour	Sweet
Appearance	Clear liquid in an aerosol	Odour Threshold	Not determined
Colour	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	-96.7 °C / -142 °F	
Boiling Point/Boiling Range	177.8 °C / 352 °F	
Flash Point	Not determined	
Evaporation Rate	slow	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper Flammability Limits	10	
Lower Flammability Limit	1	
Vapour Pressure	1 mmHg	@ 20 C
Vapour Density	4.7	
Relative Density	Not determined	
Water Solubility	Slightly soluble	
Solubility(ies)	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidising Properties	Not determined	

9.2. Other information

VOC Content (%)	100%
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Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Do not puncture or incinerate cans. Avoid temperatures above 120 °F.

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May cause an allergic skin reaction.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.
Unknown Acute Toxicity	0% of the mixture consists of ingredient(s) of unknown toxicity.

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

Oral LD50	5,129.00
Units	mg/kg
Dermal LD50	3,840.00
Units	mg/kg
Inhalation	
Gas	90,078.00
Units	mg/L
Mist	268.90
Units	mg/L
Vapor	257.00
Units	mg/L

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
D-Limonene	= 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Isopropyl alcohol	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat) 4 h

Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Not classified.
Sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classifiable as a human carcinogen.

Chemical Name	European Union
Naphtha (petroleum), hydrotreated heavy	Carc. 1B
Propane	Carc. 1A

Reproductive toxicity	Not classified.
STOT - single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.

Symptoms	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. Causes eye irritation.
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Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
D-Limonene		0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	
Naphtha (petroleum), hydrotreated heavy		2200: 96 h Pimephales promelas mg/L LC50	2.6: 96 h Chaetogammarus marinus mg/L LC50
Isopropyl alcohol	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	1400000: 96 h Lepomis macrochirus µg/L LC50 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static	13299: 48 h Daphnia magna mg/L EC50

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Isopropyl alcohol	0.05
Propane	<=2.8

12.4. Mobility in Soil

Mobility

Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Contains no ozone depleting chemicals.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues / Unused Products

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.

Section 14: TRANSPORT INFORMATION

Note

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

IMDG

14.1 UN/ID No UN1950
 14.2 Proper Shipping Name Aerosols
 14.3 Hazard Class 2.1

RID

14.1 UN/ID No UN1950
 14.2 Proper Shipping Name Aerosols
 14.3 Hazard Class 2.1

ADR

14.1 UN/ID No UN1950
 14.2 Proper Shipping Name Aerosols, flammable
 14.3 Hazard Class 2.1

ICAO (air)

14.1 UN/ID No UN1950
 14.2 Proper Shipping Name Aerosols, flammable
 14.3 Hazard Class 2.1

IATA

14.1 UN/ID No UN1950
 14.2 Proper Shipping Name Aerosols, flammable
 14.3 Hazard Class 2.1

Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number	Title
D-Limonene 5989-27-5	RG 84	
Naphtha (petroleum), hydrotreated heavy 64742-48-9	RG 84	
Isopropyl alcohol 67-63-0	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical Name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Naphtha (petroleum), hydrotreated heavy - 64742-48-9	28. 29.	
Propane - 68476-86-8	28. 29.	

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

International Inventories

Not determined.

TSCA	-
EINECS/ELINCS	-
DSL/NDSL	-
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-

Legend

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

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

Not applicable

Classification Procedure

Calculation method

Issue Date: 01-Sep-2012

Revision Date: 01-Feb-2016

Revision Note: Isopar reclassification

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

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