



Issue Date: 01-Sep-2012

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Version 1

## 1. Identification

### Product identifier

**Product Name** Bulk On/Cycle Mold Cleaner

### Other means of identification

**SDS #** 442BULK-MX

**Product Code** 442BULK

### 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)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Aspiration hazard	Category 1 - (H304)
Flammable liquids	Category 3 - (H226)

### 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  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H226 - Flammable liquid and vapor



Exclamation mark  
Health hazard  
Flame

#### Precautionary Statements - Prevention

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  
P240 - Ground and bond container and receiving equipment  
P242 - Use non-sparking tools  
P243 - Take action to prevent static discharges  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P235 - Keep cool  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P241 - Use explosion-proof electrical/ ventilating / lighting/ equipment

#### 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

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

##### 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

##### Fire

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

#### Precautionary Statements - Storage

P405 - Store locked up  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

#### 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-%
D-limonene	94266-47-4	30-60
Light aliphatic solvent naphtha	64742-48-9	20-40
Isopropyl Alcohol	67-63-0	20-40

**4. First-aid measures****Description of first aid measures**

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
<b>Eye contact</b>	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.
<b>Skin contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>Ingestion</b>	Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms.</b>	May be harmful if swallowed May be harmful in contact with skin Causes serious eye irritation May cause drowsiness and dizziness May be fatal if swallowed and enters airways
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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**5. Fire-fighting measures**

**Suitable Extinguishing Media** Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable extinguishing media** Not determined.

**Specific hazards arising from the chemical** Not determined.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**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** Dike spill, remove with absorbent to landfill in accordance with local, state and federal regulations.

**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** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Wear protective gloves/protective clothing/eye protection/face protection.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

## 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 <sup>3</sup>	500 ppm 1225 mg/m <sup>3</sup>	-

**Appropriate engineering controls**

**Engineering controls** Mechanical in confined areas only.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses or goggles are recommended.

**Skin and body protection** Gloves recommended but not required.

**Respiratory protection** Not needed 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

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear liquid
<b>Color</b>	Clear
<b>Odor</b>	Sweet
<b>Odor Threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No data available	
<b>Melting point / freezing point</b>	Not measured	
<b>Boiling point / boiling range</b>	177.8 °C / 352 °F	
<b>Flash point</b>	50 °C / 122 °F	CC (closed cup)
<b>Evaporation Rate</b>	lento	
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	7.0%	
<b>Lower flammability or explosive limits</b>	0.7%	
<b>Vapor Pressure</b>	1 mm Hg	
<b>Vapor Density</b>	4.7	(Air=1)
<b>Relative Density</b>	0.841	
<b>Water Solubility</b>	No data available	
<b>Solubility in other solvents</b>	No data available	
<b>Partition Coefficient</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic Viscosity</b>	No data available	

### Other information

<b>Oxidizing properties</b>	No data available
<b>Explosive properties</b>	No data available
<b>Molecular weight</b>	No data available
<b>Liquid Density</b>	No data available
<b>Bulk density</b>	No data available

## 10. Stability and reactivity

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Do not inhale.
<b>Eye contact</b>	Avoid contact with eyes.
<b>Skin contact</b>	May be harmful in contact with skin.
<b>Ingestion</b>	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

<b>Oral LD50</b>	3,444.00 mg/kg
<b>ATEmix (dermal)</b>	4,020.30 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	242.00 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 94266-47-4	= > 5001 mg/kg (Rabbit)	= > 5001 mg/kg (Rabbit)	-
Light aliphatic solvent naphtha 64742-48-9	> 6000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	> 8500 mg/m <sup>3</sup> ( Rat ) 4 h
Isopropyl Alcohol 67-63-0	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h

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

<b>Interactive effects</b>	Not classified.
<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	Not classified.
<b>Germ cell mutagenicity</b>	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

<b>Reproductive toxicity</b>	Not classified.
<b>STOT - single exposure</b>	May cause drowsiness or dizziness.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Other information</b>	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
Light aliphatic solvent naphtha 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

<b>Persistence/Degradability</b>	No data available.
<b>Bioaccumulation</b>	There is no data for this product.
<b>Component Information</b>	

Chemical name	Partition coefficient
Isopropyl Alcohol 67-63-0	0.05

**Other Adverse Effects** No data available.

## 13. Disposal considerations

**Waste Treatment Methods**

<b>Waste from residues/unused products</b>	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

## 14. Transport information

When shipped in containers of .3 gallons (1 L) or less this material may be reclassified in accordance with DOT regulation 49 CFR 173.150/ IATA DGR packing instruction Y341/ IMDG Code 3.4 as: Limited Quantity

**MEX**

UN/ID No UN1993  
 Proper Shipping Name Flammable liquid, n.o.s. (isopropanol)  
 Hazard class 3  
 Packing Group III

**TDG**

UN/ID No UN1993  
 Proper Shipping Name Flammable liquid, n.o.s. (isopropanol)  
 Hazard class 3  
 Packing Group III

**DOT**

UN/ID No NA1993  
 Proper Shipping Name Combustible liquid, n.o.s. (Isopropanol)  
 Hazard class 3  
 Packing Group III

**IATA**

UN number UN1993  
 Proper Shipping Name Flammable liquid, n.o.s. (isopropanol)  
 Transport hazard class(es) 3  
 Packing Group II

**IMDG**

UN number UN1993  
 Proper Shipping Name Flammable liquid, n.o.s. (isopropanol)  
 Transport hazard class(es) 3  
 Packing Group III  
 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	L	X		X		X	
Light aliphatic solvent naphtha	X	X	X		X	X	X	X
Isopropyl Alcohol	X	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**

<b><u>NFPA</u></b>	<b>Health hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Physical and chemical properties</b> Not determined
<b><u>HMIS</u></b>	<b>Health hazards</b> 1	<b>Flammability</b> 2	<b>Physical hazards</b> 0	<b>Personal protection</b> G

**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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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**