

1. IDENTIFICATION

Product Identifier

Product Name Slide On/Cycle Mold Cleaner

Other means of identification

SDS # 44212-CA

Product Code 44212
Synonyms Natural Citrus Oil
 Citrus Mold Cleaner
UN/ID No UN1950

Other Information Formula: 52352

Recommended use of the chemical and restrictions on use

Recommended Use Industrial mold cleaner

Uses Advised Against Use only under manufacturer's instructions

Details of the supplier of the safety data sheet

Initial Supplier Address

THIS SAFETY DATA SHEET
 IS NOT COMPLIANT UNLESS
 CANADIAN ADDRESS IS USED

Emergency Telephone Number

Initial supplier phone number Please enter Initial Suppliers Phone Number here
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear liquid in an aerosol

Physical state Aerosol.

Odour Sweet

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitisation	Category 1
Germ cell mutagenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Aerosols	Category 2
Gases under pressure	Compressed Gas

Label Elements

Signal word

Danger

Hazard statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause respiratory irritation. May cause drowsiness or dizziness
May cause genetic defects
May be fatal if swallowed and enters airways
Flammable Aerosol
Contains gas under pressure; may explode if heated

**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
Avoid breathing dust/fume/gas/mist/vapours/spray
Contaminated work clothing should not be allowed out of the workplace
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
Wear protective gloves/protective clothing/eye protection/face protection
Use only outdoors or in a well-ventilated area
Avoid release to the environment

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
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
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
Collect spillage

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

Other Information

Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Synonyms Natural Citrus Oil
Citrus Mold Cleaner.

Chemical Name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
D-Limonene	5989-27-5	35	-	-
Naphtha (petroleum), hydrotreated heavy	64742-48-9	27	-	-
Isopropyl Alcohol	67-63-0	27	-	-
Propane	68476-86-8	11	-	-

4. FIRST AID MEASURES

First Aid Measures

General advice If exposed or concerned: Get medical advice/attention.

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 doctor. 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 doctor immediately.

Most important symptoms and effects

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.

Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

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.

Hazardous Combustion Products Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Special protective equipment 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 Ensure adequate ventilation.

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 Pick up and transfer to properly labelled containers.

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 vapours 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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	Canada - Alberta - Occupational Exposure Limits - Ceilings	Canada - British Columbia - Occupational Exposure Limits - Ceilings	Canada - Ontario - Occupational Exposure Limits - Ceilings	Quebec
Isopropyl Alcohol 67-63-0	TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 984 mg/m ³	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 985 mg/m ³ STEL: 500 ppm STEL: 1230 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.
Hand protection	Protective gloves are not required, but recommended.
Skin and body protection	No special protective equipment required.
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
Colour	Clear
Odour	Sweet
Odour Threshold	Not determined

<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	0.841	
Water Solubility	Slightly soluble	
Solubility in other solvents	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.	

Other Information

Softening Point	No information available
Molecular weight	No information available
VOC Content (%)	100%
Density	No information available
Bulk Density	No information 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 based on information supplied.

Hazardous Decomposition Products Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye contact	Causes severe eye irritation.
Skin contact	May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Inhalation	Avoid breathing vapours or mists.
Ingestion	Do not ingest.

Information on physical, chemical and toxicological effects

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.

Acute Toxicity

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

ATEmix (oral)	3,599.00
ATEmix (dermal)	4,508.00
ATEmix (inhalation-dust/mist)	268.90

Unknown acute toxicity No information available

Component Information

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
D-Limonene 5989-27-5	= 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Naphtha (petroleum), hydrotreated heavy 64742-48-9	> 5000 mg/kg (Rat)	> 3160 mg/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

Germ cell mutagenicity May cause genetic defects.

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

Chemical Name	ACGIH	IARC	NTP	OSHA
D-Limonene 5989-27-5	-	Group 3		X
Isopropyl Alcohol 67-63-0	-	Group 3		X

Legend**IARC (International Agency for Research on Cancer)**

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

OSHA (Occupational Safety and Health Administration of the US Department of Labour)

X - Present

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.**Aspiration hazard** May be fatal if swallowed and enters airways.**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	-	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 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	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

Persistence/Degradability No information available.**Bioaccumulation** No information available.**Mobility** .

Chemical Name	Partition Coefficient
Isopropyl Alcohol 67-63-0	0.05
Propane 68476-86-8	2.8

Other Adverse Effects No information available.**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.**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.**14. TRANSPORT INFORMATION****Note** Based on package size, product may be eligible for limited quantity exception

TDG

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

DOT

UN/ID No UN1950
 Hazard Class 2.1

IATA

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

IMDG

UN/ID No UN1950
 Hazard Class 2.1
 Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

Chemical Name	TSCA	DSL/NDL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
D-Limonene	X	X	X	Present	X	Present	X	X
Naphtha (petroleum), hydrotreated heavy	X	X	X		X	Present	X	X
Isopropyl Alcohol	X	X	X	Present	X	Present	X	X
Propane	X	X	X		X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - 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, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical hazards	Personal Protection
	1	3	0	B

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

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 Revision Note: No information available.

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