

LT Mold Cleaner

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: LT Mold Cleaner
SDS Number: IMS 06-337-12
Product Code: 168231
Revision Date: 12/2/2022
Version: 1
Product Type: Aerosol Mold Cleaner
Supplier Details: IMS Company
 10373 Stafford Rd.
 Chagrin Falls, OH 44023-5296
Phone: 1-440-543-1615
Emergency: Chemtel 1-800-255-3924

NOTE: The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We provide this information as guidance for providing personal protection to your employees. The user has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. The user must meet all applicable safety and health standards. We provide this information as guidance for providing personal protection to your employees.

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 1
 Health, Skin corrosion/irritation, 2
 Health, Serious Eye Damage/Eye Irritation, 2 A
 Health, Specific target organ toxicity - Single exposure, 3
 Health, Acute toxicity, 4 Inhalation

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H222 - Extremely flammable aerosol
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation
 H336 - May cause drowsiness or dizziness
 H332 - Harmful if inhaled

GHS Precautionary Statements:

P501 - Dispose of contents/container in accordance with local/ regional regulations
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 - Wash skin thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P337 + P313 - If eye irritation persists: Get medical advice/attention.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER/doctor/...if you feel unwell.

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COMPOSITION/INFORMATION OF INGREDIENTS

CAS#	Chemical %	Chemical Ingredients: Chemical Name:
124-38-9	.1-10%	Carbon dioxide (propellant)
0	>95%	Proprietary Mixture of Alkyl Siloxanes, Acetate Ester, and Aryl Halide

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FIRST AID MEASURES

Inhalation: Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

Skin Contact: Wash with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.

Eye Contact: Flush with warm water for 15 minutes. Seek medical attention.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

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FIRE FIGHTING MEASURES

Flash Point: Flash point of propellant <0 degrees F.

LEL: Lower: 0 % (VOL.) Gas in air (propellant portion)

UEL: Upper: 0 % (VOL.) Gas in air (propellant portion)

Extinguishing Media: Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

Unusual Fire & Explosion Hazards: This material may be ignited by extreme heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

Special Fire Fighting Procedures: At elevated temperatures (over 130F) aerosol container may burst, vent or rupture; use equipment or shielding to protect personnel. Cooling exposed containers with streams of water may be helpful. Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire.

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ACCIDENTAL RELEASE MEASURES

Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

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7 HANDLING AND STORAGE

Handling Precautions: Store below 120°F in cool, dry area, out of direct sunlight and away from strong oxidizers. Do not puncture or burst. Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers Do not incinerate

Storage Requirements: Store in a cool, dry area, away form heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

Personal Protective Equipment: Protective Equipment:
Use synthetic gloves if necessary to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

Engineering Controls: General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

Respiratory Protection: Use adequate ventilation to maintain exposure limits. If the exposure limits of the products or any of its components is exceeded, an approved organic vapor mask should be used (consult your safety equipment supplier). Above exposure levels an approved self-contained breathing apparatus or airline respirator with full face-piece is required

Other Suggested Equipment: Eye wash station and emergency showers should be available. Spill containment equipment should be available.

Discretion Advised: We. take no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

Canada. Alberta, British Columbia, Ontario - Occupational Exposure Limit (OEL)

Chemical Name	Short-Term OEL	TWA OEL
Acetate Ester	250 ppm	200 ppm

Canada. Quebec - Permissible Exposure Values for airborne contaminants (PEV)

Chemical Name	Short-Term PEV	TWA PEV
Acetate Ester	250 ppm	200 ppm

Dow Corning Guide Occupational Exposure Limit (DCC OEL)

Chemical Name	OEL TWA
Alkyl Siloxanes	200 ppm

USA ACGIH Threshold Limit Values (TLV), OSHA Limits for Air Contaminants - Permissible Exposure Limits (PEL)

Chemical Name	ACGIH® TLV®		OSHA PEL	
	Short-Term	TWA	Short-Term	TWA
Acetate Ester	250 ppm	200 ppm	Not Available	200 ppm

Notes *Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area. Chemicals not listed here do not have establish limit values for ACGIH or OSHA PEL.

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TWA = Time Weighted Average

Carbon dioxide (propellant) cas#:(124-38-9) [.1-10%]

Components with workplace control parameters

TWA 5,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

STEL 30,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

TWA 10,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
18,000 mg/m3 1910.1000
Exposures under 10,000 ppm to be cited as de minimus.

STEL 30,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
54,000 mg/m3 1910.1000

TWA 5,000 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
9,000 mg/m3 Limits for Air Contaminants
The value in mg/m3 is approximate.

TWA 5,000 ppm USA. NIOSH Recommended Exposure Limits
9,000 mg/m3
Normal constituent of air (about 300 ppm).

ST 30,000 ppm USA. NIOSH Recommended Exposure Limits
54,000 mg/m3
Normal constituent of air (about 300 ppm).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Aerosol	Odor:	Aromatic, Slightly ethereal
Viscosity:	0.58 cP (Dynamic) (Liquid portion)	Solubility:	Negligible
Boiling Point:	NE	Freezing/Melting Pt.:	NE
Flammability:	Flammable	Flash Point:	5.4°C (41.7°F) (Liquid Portion)
Vapor Pressure:	>30 psi	Vapor Density:	>1 Air = 1
pH:	NE		
Evap. Rate:	>1 (n-Butyl Acetate = 1)		

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	Heat, spark, and open flame.
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Decomposition:	Oxides of carbon and silicon, hydrogen fluoride, hydrogen chloride, hydrocarbons, formaldehyde.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Likely Routes of Exposure
Inhalation, Skin contact, Eye contact, Ingestion
Acute Toxicity
LC50 (inhalation) >16000 ppm (Rat) [Acetate Ester]

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LD50 (oral)	15956 ppm (Rat) [Alkyl siloxanes]
	33 mg/L/4h (Rat) [Aryl halide]
LD50 (dermal)	>5000 mg/kg (Rat) [Acetate Ester]
	16000 mg/kg (Rat) [Alkyl siloxanes]
	>2000 mg/kg (Rat) [Aryl halide]
	>5000 mg/kg (Rabbit) [Acetate Ester]
	>5000 mg/kg (Rabbit) [Alkyl siloxanes]
	13000 mg/kg (Rabbit) [Aryl halide]

Notes Category 4 Acute inhalation toxicity.

Skin Corrosion / Irritation Causes skin irritation, irritation will be transient.
Serious Eye Damage / Irritation

Inhalation Causes eye irritation. Irritation will be transient.
STOT (Specific Target Organ Toxicity) - Single Avoid inhalation, serious exposures are harmful.
Exposure

Aspiration Hazard Narcotic effects. May cause respiratory irritation.
STOT (Specific Target Organ Toxicity) - Repeated Not reported.
Exposure

Respiratory and/or Skin Sensitization Not reported.

Carcinogenicity IARC reports inadequate evidence for classification as human carcinogen.
Reproductive Toxicity

Sexual Function and Fertility Development of Offspring Not reported.

Effects on or via Lactation Not reported.
Germ Cell Mutagenicity Not expected to be a mutagen.
Interactive Effects Not reported.

Carbon dioxide (propellant) cas#:(124-38-9) [.1-10%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May cause severe frostbite. May be harmful if absorbed through skin. May cause skin

Eyes May cause eye irritation. Aggravated Acts as a simple asphyxiant by displacing air. , Medical Condition

Signs and Symptoms of Exposure: Nausea, Dizziness, Headache, Low to medium concentrations of carbon dioxide can: affect regulation of blood circulation, affect the acidity of body fluids, respiratory difficulties, At high concentrations: Breathing difficulties, Increased pulse rate, change in body acidity, Very high concentrations can cause: Unconsciousness, death

Synergistic effects: no data available

Additional Information:

RTECS: FF6400000

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ECOLOGICAL INFORMATION

Ecotoxicity Unknown ecotoxicity for mixture. May be toxic to the aquatic environment with long lasting effects.

*May bioaccumulate.

Ingredient	Species	LC/EC50
Acetate Ester	Algae	120 mg/L, 72h, LC50
	Daphnia	1026.7 mg/L, 48h, EC50
	Fathead Minnow	295 - 348 mg/L, 96h, LC50
Alkyl Siloxanes*	Rainbow trout	0.46 mg/L, 96h, LC50
	Daphnia	0.08 mg/L, 21d, NOEC
	Green algae	> 0.55 mg/L, 96h, EC50
Aryl Halide	Daphnia	3.68 mg/L, 48h, EC50

Persistence and Degradability

Not Available

Bioaccumulative Potential Partition Coefficient n-octanol / water (log Kow)

Acetate Ester - 0.18 Alkyl siloxanes - 4.2*

Mobility in Soil Not Available

Other Adverse Effects Not expected.

Carbon dioxide (propellant) cas#:(124-38-9) [.1-10%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

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PBT and vPvB assessment: no data available

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Do not puncture or burn containers. Give empty, leaking, or full containers to disposal service equipped to handle and dispose of aerosol (pressurized) containers. Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

14 TRANSPORT INFORMATION

Aerosols (limited quantity),
Class 2.1, ERG 126

AIR (IATA)
Aerosols (limited quantity),
Class 2.1, ERG 126, UN No. 1950

Vessel
Aerosol (Limited Quantity), Class 2.1, UN No 1950

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[.1-10%] Carbon dioxide (propellant) (124-38-9) MASS, OSHAWAC, PA, TSCA, TXAIR

[>95%] Proprietary Mixture of Alkyl Siloxanes, Acetate Ester, and Aryl Halide (0) MASS, OSHAWAC, PA, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

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HMIS	
HEALTH	<input checked="" type="checkbox"/> <input type="checkbox"/>
FLAMMABILITY	<input type="checkbox"/>
PHYSICAL HAZARD	<input type="checkbox"/>
PERSONAL PROTECTION	<input type="checkbox"/>

PPE

Note:
 For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We make no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an SDS does not indicate that the possessor of the SDS was a purchaser or user of the subject product.

Revision Date: 12/2/2022