

SAFETY DATA SHEET

1. Product and Company Identification

Product Name: Citrus
Product Code: 112075, 112082, 112083
Product Use: Mold Cleaner

Product Type: Bulk

Manufacturer: IMS Company	Emergency Phone	800-424-9300
Address: 10373 Stafford Road	Prepared by	Product Safety Advisor
Chagrin Falls, OH 44023-5296	Prepared/Revised	April 15, 2015
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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. Hazard Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquid	Category 3
Skin Irritation	Category 2
Skin sensitization	Category 1
Aspiration hazard	Category 1

Label elements:

Pictograms



Signal Word: Danger

Hazard Statement(s)

H226	Flammable Liquid and vapour.
H304	May be fatal if swallowed and enters airways
H315	Causes Skin irritation
H317	May cause an allergic skin reaction

Precautionary Statements:

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P264 Wash thoroughly after handling.
P272 Contaminated clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P310 If Swallowed: Immediately call a poison center or doctor
P331 Do not induce vomiting
P303+P361
+P353 If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P302+P352 If on skin: Wash with plenty of water and soap.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage and Handling

P403+P233
+P235 Store in well ventilated place Keep container tightly closed. Keep cool.
P405 Store locked up
P501 Dispose of contents/container in accordance with local/regional regulations.

3. Composition Information on ingredients

Ingredients	CAS #	Percent
D-Limonene	5989-27-5	100%

4. First Aid Measures

Eye Contact:

Flush with warm water for 15 minutes. Seek medical attention.

Skin Contact:

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

Inhalation:

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

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.

5. Fire Fighting Measures

Flash Point Flash Point 50°C (122°F)

Flammable limits in air, % by volume:

Upper: 6.1

Lower: .7

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.

6. 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.

7. Handling and Storage

Handling:

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:

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

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.

xposure guidelines:

Ingredients	CAS #	Percent	Exposure Limits
D-Limonene	5989-27-5	100%	AIHA 8 Hour TWA 30 ppm

9. Physical and Chemical Properties

Appearance: Clear

Evaporation Rate: Ether = 1 Slower

PH: NA

Initial Boiling point and boiling range: 349-351°F

Flammability: Flammable

Vapor density 4.70 Air = 1

Relative density .842 g/ml

Partition coefficient: NE

Decomposition temperature: NE

Flammable limits in air, % by volume:

Upper: 6.1% (VOL.)

Lower: 0.7% (Vol)

Odor: Characteristic

Melting/Freezing point: NE

Flash Point: 122°F

Vapor pressure: >30 psi

Solubility: immiscible

Auto-ignition temperature: 475°F

Viscosity: NA

10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: Heat, spark, and open flame

Incompatibility: Strong-Oxidizing Agents

Hazardous Decomposition: Combustion will produce Carbon Monoxide, Carbon Dioxide and hydrocarbons..

Hazardous Polymerization: Will not occur

11. Toxicological Information

Component Toxicological Information:

Acute oral toxicity

D-Limonene 5989-27-5 LD 50 Rat: 4400 mg/kg

Acute inhalation toxicity

D-Limonene 5989-27-5 NA

Acute dermal toxicity

D-Limonene 5989-27-5 LD 50 Rabbit: 5000 mg/kg

12. Ecological Information

Toxicity D-Limonene

Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) - 0.72 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates.

Immobilization EC50 - Daphnia magna (Water flea) - 0.36 mg/l - 48 h

Toxicity to bacteria EC50 - Sludge Treatment - 3.94 mg/l

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

- Ground
 - 1 Gallons – Limited Quantity Mold Cleaner
 - 5 & 55 Gallons – UN2319 Terpene Hydrocarbons, 3, PGIII
- Air
 - 1, 5 & 55 Gallons – UN2319 Terpene Hydrocarbons, 3, PGIII
 - The 1 & 5 Gallons are allowed on passenger aircraft while the 55 Gallon is not
- Sea
 - 1 Gallon – UN2319 Terpene Hydrocarbons, 3, PGIII Ltd. Qty
 - 5 & 55 Gallons – UN2319 Terpene Hydrocarbons, 3, PGIII

15. Regulatory Information

Environmental Regulations

SARA 302/304:

None

SARA 311/312:

Immediate (x) Delayed () Fire (x) Reactive () Sudden Release of Pressure (x)

Section 313

This product contains: None

All the chemicals used in this product are TSCA listed.

Check with your local regulators to be sure all local regulations are met.

16. Other Information

Hazard ratings This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

NFPA Health 1 Flammability 2 Reactivity 0

HMIS: Health: 2 Flammability: 2 Reactivity: 0

RATING: 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT

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.