

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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|-------------------------------|--|
| Telephone numbers: | (517) 546-4520 |
| Manufacturer/Supplier: | CHEM-TREND LP P.O. BOX 860 HOWELL, MI 48844-0860 |
| Product Name: | Mold Cleaner EZR |

2. HAZARDS IDENTIFICATION

| | |
|--------------------------------------|---|
| Physical State: | Liquid |
| Appearance: | Liquid |
| Color: | Clear Colourless |
| Odor: | Solvent |
| Emergency Overview: | DANGER: FLAMMABLE! |
| Principle Routes of Exposure: | Skin, eyes, respiratory tract, gastrointestinal tract |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS-No. | Weight % |
|-------------------------------------|------------|----------|
| Naphtha (petroleum), light alkylate | 64741-66-8 | 50 - 60% |
| Methyl ethyl ketone | 78-93-3 | 40 - 50% |

4. FIRST AID MEASURES

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| Skin contact: | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Eye contact: | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| Inhalation: | Move to fresh air. If symptoms persist, call a physician. |
| Ingestion: | Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Aspiration may cause pulmonary oedema and pneumonitis. Call a physician or Poison Control Centre immediately. |
| Aggravated Medical Conditions: | No information available |
| Notes to physician: | No information available |

5. FIRE-FIGHTING MEASURES

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|--|--|
| Flash point: | 23 °F , -2°C (Pensky-Martens, ASTM D 93, ISO 1523, ISO 2719, DIN 51 755, DIN 51758) |
| Flame extension test, inches (aerosol products only): | Not applicable or no information available. |
| Suitable extinguishing media: | Carbon dioxide (CO2). Dry chemical. Foam. Do not use a direct stream of water.. |
| Unusual hazards: | Flammable. |
| Special protective equipment for fire-fighters: | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| Specific methods: | Standard procedure for chemical fires. |
| Explosive properties: | No information available. |

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up:

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| Small spills: | Take precautionary measures against static discharges. Soak up with inert absorbent material and dispose of as hazardous waste. |
| Large spills: | Take precautionary measures against static discharges. Pick up and transfer to properly labelled containers. |

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions: Ensure adequate ventilation. Take precautionary measures against static discharges.

Safe handling advice: Handle in accordance with good industrial hygiene and safety practice. Normal measures for preventive fire protection. Take precautionary measures against static discharges. Keep away from open flames, hot surfaces and sources of ignition. Bond and ground containers during transfer of material. Do not puncture empty containers. Do not re-use empty containers for other materials.

Storage:

Technical measures/storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep product and empty container away from open flames, hot surfaces and sources of ignition. Store at temperatures not exceeding 110°F.

Incompatible products: Strong oxidizing agents.

Other precautions: None

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Components | CAS-No. | ACGIH TWA: | OSHA - TWA: | OSHA - Skin Notations | OSHA Z3 Mineral Dusts |
|-------------------------------------|------------|--------------------|---|-----------------------|-----------------------|
| Naphtha (petroleum), light alkylate | 64741-66-8 | - | - | - | - |
| Methyl ethyl ketone | 78-93-3 | 200 ppm 300 ppm | 200ppmTWA 590mg/m ³ TW A | - | - |

Engineering measures: Ensure adequate ventilation.

Personal Protective Equipment

- Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection:** Impervious gloves.
- Eye protection:** Tightly fitting safety goggles or safety glasses with side-shields
- Skin and body protection:** Lightweight protective clothing. Usual safety precautions while handling the product will provide adequate protection against this potential effect.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|--|---|
| Initial boiling point: | 180 °F , 82 °C |
| Specific gravity: | 0.75 |
| Bulk density (lb/gal): | 6.25 |
| Vapor pressure in mm Hg at 20 °C (68 °F): | No information available. |
| Vapor density (Air = 1.0) | >1 |
| Evaporation rate: | <1 (n-butyl acetate = 1) |
| Volatiles content (%): | 100% |
| Water solubility: | Insoluble |
| pH of concentrate: | Not applicable. |
| Melting point/range: | Not applicable |
| Flash point: | 23 °F , -2°C (Pensky-Martens, ASTM D 93, ISO 1523, ISO 2719, DIN 51 755, DIN 51758) |
| Flammability limits in air: | Percent by volume |

| Components | CAS-No. | Lower (%): | Upper (%): |
|-------------------------------------|------------|------------|------------|
| Naphtha (petroleum), light alkylate | 64741-66-8 | 0.91 | 6.3 |

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9. PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------|---------|-----|------|
| Methyl ethyl ketone | 78-93-3 | 1.8 | 10.0 |
|---------------------|---------|-----|------|

10. STABILITY AND REACTIVITY

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|--|---|
| Stability: | Stable. |
| Conditions to avoid: | Keep away from open flames, hot surfaces and sources of ignition. |
| Materials to avoid: | Strong oxidizing agents |
| Hazardous decomposition products: | Carbon oxides. |
| Polymerization: | Hazardous polymerization does not occur.. |

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information:

| Components | CAS-No. | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-------------------------------------|------------|--|--|-----------------------|
| Naphtha (petroleum), light alkylate | 64741-66-8 | 2000 mg/kg (Rabbit) 5.04 mg/L (Rat) 7000 mg/kg (Rat) | 2000 mg/kg (Rabbit) 5.04 mg/L (Rat) 7000 mg/kg (Rat) | 5.04 mg/L (Rat) 4 h |
| Methyl ethyl ketone | 78-93-3 | 2737 mg/kg (Rat) 32 g/m ³ (Mouse) 6480 mg/kg (Rabbit) | 2737 mg/kg (Rat) 32 g/m ³ (Mouse) 6480 mg/kg (Rabbit) | - |

Acute effects

Product contains proprietary ingredients. Health hazards are listed below.

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| Skin contact: | Prolonged contact may defat skin, causing irritation and/or dermatitis. |
| Eye contact: | Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. |
| Inhalation: | High levels above the TLV cause stupor, headache, nausea, dizziness, unconsciousness, and may produce adverse effects on vision. |
| Ingestion: | Ingestion may cause gastrointestinal irritation, nausea, and diarrhea. Material entering lungs during swallowing or vomiting causes lung inflammation and other lung injury. Harmful or fatal if swallowed. |
| Sensitization: | No information available. |
| Other effects: | No information available. |

Chronic effects

Carcinogenic effects:

| Components | CAS-No. | NTP: | IARC: | OSHA: |
|-------------------------------------|------------|------|-------|-------|
| Naphtha (petroleum), light alkylate | 64741-66-8 | No | No | No |
| Methyl ethyl ketone | 78-93-3 | No | No | No |

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11. TOXICOLOGICAL INFORMATION

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|-------------------------------|---|
| Mutagenic effects: | No information available |
| Reproductive toxicity: | Methyl ethyl ketone or a component of it has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.. |
| Target organ effects: | Based on animal studies, exposure to methyl ethyl ketone (MEK) increases the onset of peripheral neuropathy caused by exposure to methyl butyl ketone, and/or n-hexane, and/or ethyl butyl ketone. MEK alone has not been shown to cause peripheral neuropathy. Overexposure to this material or its components has been suggested as a cause of the following effects in laboratory animals: mild, reversible effects on the liver and kidney. |

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

13. DISPOSAL CONSIDERATIONS

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|-------------------------------|---|
| Method(s) of disposal: | Dispose of in accordance with local, state, and federal regulations. |
| US EPA Waste number: | D001 because of its ignitability if the product is disposed of in its original form. F005 because of the presence of toluene or methyl ethyl ketone. |

14. TRANSPORT INFORMATION

IMDG - Marine Pollutants This product does not contain marine pollutants as classified by the International Maritime Organization.

Emergency Response Guidebook 128 (ERG) No:

| Mode of Transportation: | UN/NA ID No: | Proper shipping name: | Technical name: | Hazard Class: | Packing group: |
|-------------------------|--------------|---------------------------|---|---------------|----------------|
| DOT - Non-Bulk | UN1993 | Flammable liquids, n.o.s. | (Contains Methyl ethyl ketone , Hydrocarbon naphtha) | 3 | II |
| DOT - Bulk | UN1993 | Flammable liquids, n.o.s. | (Contains Methyl ethyl ketone , Hydrocarbon naphtha) | 3 | II |
| Canadian TDG | UN1993 | Flammable liquid, n.o.s. | (Contains Methyl ethyl ketone , Hydrocarbon naphtha) | 3 | II |
| ICAO/IATA | UN1993 | Flammable liquid, n.o.s. | (Contains Methyl ethyl ketone , Hydrocarbon naphtha) | 3 | II |

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14. TRANSPORT INFORMATION

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|----------|--------|-----------------------------|--|---|--|----|
| IMO/IMDG | UN1993 | Flammable liquid, n.o.s. | (Contains Methyl ethyl ketone , Hydrocarbon naphtha) | 3 | | II |
|----------|--------|-----------------------------|--|---|--|----|

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazardous Chemical: Yes

SARA Title III

CERCLA/SARA (304) Hazardous Substances and RQs

| Components | CAS-No. | Weight % | RQ |
|-------------------------------------|------------|----------|---------|
| Naphtha (petroleum), light alkylate | 64741-66-8 | 50 - 60% | - |
| Methyl ethyl ketone | 78-93-3 | 40 - 50% | 5000 lb |

SARA (302) Extremely Hazardous Substances and RQs

| Components | CAS-No. | Weight % | RQs |
|-------------------------------------|------------|----------|-----|
| Naphtha (petroleum), light alkylate | 64741-66-8 | 50 - 60% | - |
| Methyl ethyl ketone | 78-93-3 | 40 - 50% | - |

SARA (311/312) Classification:

Acute health hazard: Yes

Chronic health hazard: Yes

Fire: Yes

Sudden release of pressure: No

Reactive: No

SARA (313) Toxic Chemicals

| Components | CAS-No. | Weight % | SARA (313) List |
|-------------------------------------|------------|----------|-----------------|
| Naphtha (petroleum), light alkylate | 64741-66-8 | 50 - 60% | Not Listed |
| Methyl ethyl ketone | 78-93-3 | 40 - 50% | Not Listed |

International Inventories

| | |
|-------------------|---|
| Australia: | All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS). |
| Canada: | This product complies with DSL |
| China: | This product complies with CLECS. |
| Europe: | This product complies with EINECS |

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15. REGULATORY INFORMATION

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|-----------------------|---------------------------------------|
| Japan: | This product complies with ENCS/MITI. |
| Korea: | Listed on ECL. |
| New Zealand: | This product complies with NEWZ |
| Philippines: | This product complies with PICCS. |
| United States: | This product complies with TSCA. |

16. OTHER INFORMATION

Hazardous Material Information System (USA):

Health: 2* **Flammability:** 3 **Physical hazard:** 0 **Personal Protection code:** H

National Fire Protection Association (USA):

Health: 2 **Flammability:** 3 **Instability:** 0 **Special Hazards:** None

All revisions are marked with one or more asterisks (*)

Prepared by: Karen M. Kuroda

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