

SAFETY DATA SHEET
CLEAR PENETRATING EPOXY SEALER
COLD WEATHER FORMULA PART A

SECTION 1 - IDENTIFICATION

1.1. Product Identifier

Product Identity

Clear Penetrating Epoxy Sealer Cold Weather Formula

Alternate Names

Clear Penetrating Epoxy Sealer Cold Weather Formula Part A

1.2. Relevant identified uses of the substance or mixture and uses advised against intended use

See Technical Data Sheet.

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Distributed by

The Rot Doctor
P.O. BOX 30612
Seattle, WA 98113
(206)364-2155

FOR CHEMICAL EMERGENCY

24 hour Emergency Telephone No.

Spill, Leak, Fire, Exposure or Accident

CALL INFOTRAC - Day or Night

1-800-535-5053

Outside the United States call Collect

1-352-323-3500

Date of Revision: 12/07/2015

SECTION 2 - HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Flam. Liq. 2;H225

Highly Flammable liquid and vapor.

Acute Tox. 4;H332

Harmful if inhaled.

Skin Irrit. 2;H315

Causes skin irritation.

Eye Irrit. 2;H319

Causes serious eye irritation.

Repr. 2;H361D

Suspected of damaging the unborn child.

STOT SE 3;H335

May cause respiratory irritation.

STOT SE 3;H336

May cause drowsiness or dizziness.

STOT RE 2;H373

May cause damage to organs through prolonged or repeated exposure. Specific Target

Organs: (Not Available)

2.2. Label elements

Using the Toxicity Data listed in Section 11 and 12 the product is labeled as follows.



Danger

- H225 Highly Flammable liquid and vapor.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

[Prevention]:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
- P235 Keep cool.
- P240 Ground / bond container and receiving equipment.
- P241 Use explosion-proof electrical / ventilating / light / equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves / eye protection / face protection.

[Response]:

- P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P308+313 IF exposed or concerned: Get medical advice / attention.
- P314 Get Medical advice / attention if you feel unwell.
- P321 Specific treatment (see information on this label).
- P331 Do NOT induce vomiting.
- P332+313 If skin irritation occurs: Get medical advice / attention.
- P337+313 If eye irritation persists: Get medical advice / attention.
- P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P362 Take off contaminated clothing and wash before reuse.
- P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]

- P403+233 Store in a well ventilated place. Keep container tightly closed.
- P405 Store locked up.

[Disposal]

- P501 Dispose of contents / container in accordance with local / national regulations.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|-----------------|--|--------------|
| Isopropyl Alcohol CAS Number: 0000067-63-0 | < 50 | Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336 | [1][2] |
| Butanone CAS Number: 0000078-93-3 | < 50 | Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336 | [1][2] |
| isobutyl isobutyrate CAS Number: 0000097-85-8 | < 50 | Flam. Liq. 3;H226 | [1] |
| Methyl Propyl Ketone CAS Number: 0000107-87-9 | < 50 | Flam. Liq. 2;H225 Acute Tox. 4;H302 Eye Irrit. 2;H319 STOT SE 3;H335 Skin Irrit. 2;H315 | [1][2] |
| Methyl Isobutyl Ketone CAS Number: 0000108-10-1 | < 50 | Flam. Liq. 2;H225 Acute Tox. 4;H332 Eye Irrit. 2;H319 STOT SE 3;H335 | [1][2] |
| Propylene glycol monomethyl ether acetate CAS Number: 0000108-65-6 | < 50 | Flam. Liq. 3;H226 | [1] |
| Di-isobutyl ketone CAS Number: 0000108-83-8 | < 50 | Flam. Liq. 3;H226 STOT SE 3;H335 | [1][2] |
| Toluene CAS Number: 0000108-88-3 | < 50 | Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336 | [1][2] |
| Cyclohexanone CAS Number: 0000108-94-1 | < 50 | Flam. Liq. 3;H226 Acute Tox. 4;H332 | [1][2] |
| Methyl Isoamyl Ketone CAS Number: 0000110-12-3 | < 50 | Flam. Liq. 3;H226 Acute Tox. 4;H332 | [1][2] |
| iso-Butyl Acetate CAS Number: 0000110-19-0 | < 50 | Flam. Liq. 2;H225 | [1][2] |
| Methyl Amyl Ketone CAS Number: 0000110-43-0 | < 50 | Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H302 | [1][2] |
| Diacetone Alcohol CAS Number: 0000123-42-2 | < 50 | Eye Irrit. 2;H319 | [1][2] |

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|---|--------|
| Ethyl Acetate CAS Number: 0000141-78-6 | < 50 | Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336 | [1][2] |
| 3-éthoxypropionate d'éthyle CAS Number: 0000763-69-9 | < 50 | Flam. Liq. 2;H225 Eye Irrit. 2;H319 | [1] |
| Xylene CAS Number: 0001330-20-7 | < 50 | Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 | [1][2] |
| Methylamyl acetate CAS Number: 0007789-99-3 | < 50 | Flam. Liq. 3;H226 | [1] |
| (2-methoxymethylethoxy)propanol CAS Number: 0034590-94-8 | < 50 | Not Classified | [1][2] |
| Solvent naphtha (petroleum), light aromatic CAS Number: 0064742-95-6 | < 50 | Asp. Tox. 1;H304 | [1] |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

* The full texts of the phrases are shown in Section 16.

SECTION 4 - FIRST AID MEASURES

4.1. Description of first aid measures

- General** In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
- Inhalation** Remove to fresh air. If breathing is labored, administer oxygen. If breathing has stopped, administer artificial respiration and seek emergency medical assistance.
- Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Skin** Immediately flush with water for at least 15 minutes while removing contaminated clothing. Call a physician.
- Ingestion** Do not induce vomiting. Give large quantity of milk or water. Do not give fluids to an unconscious person. Call a physician.

4.2. Most important symptoms and effects, both acute and delayed

- Overview**
- Skin Contact:** Causes skin irritation. Not considered toxic by skin absorption but prolonged exposure may result in absorption of harmful amounts.
- Eye Contact:** Causes severe eye irritation from solvents. Prolonged contact may cause permanent visual impairment.
- Inhalation:** Excessive inhalation can cause respiratory irritation, dizziness, nausea, headache, unconsciousness, or asphyxiation.
- Ingestion:** May cause gastrointestinal irritation or ulceration. May cause nausea, vomiting, or diarrhea.

Chronic Effects: Dermatitis, chemical pneumonia, central nervous system excitation, injury to bone marrow, blood, liver, kidneys, heart, testes, apprehensiveness, memory impairment, tingling of skin, tremors, impaired lung function, weakness, vertigo. May aggravate existing skin, eye, lung, kidney, liver, heart, blood, and nervous system conditions.

Primary Route of Entry: Inhalation and skin.

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

| | |
|-------------------|--|
| Inhalation | Harmful if inhaled. May cause drowsiness or dizziness. May cause respiratory irritation. |
| Eyes | Causes serious eye irritation. |
| Skin | Causes skin irritation. |

SECTION 5 - FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Dry chemical, carbon dioxide, water spray or regular foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon monoxide, carbon dioxide, oxides of nitrogen and partly decomposed organic compounds

Keep away from heat / sparks / open flames / hot surfaces -No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust / fume / gas / mist / vapors / spray.

Do not get in eyes, on skin, or on clothing.

5.3. Advice for fire-fighters

Cool fire-exposed containers with water. When fire fighting, wear full protective equipment including self-contained breathing apparatus.

Heating may cause pressure to build up and possible rupture of the container. May produce hazardous fumes or hazardous decomposition products.

ERG Guide No. 128

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Remove ignition sources. Add dry material to absorb spill (if large spill, dike to contain). Using recommended protective and explosion-proof equipment, pick up and containerize for recovery or disposal. Flush area with water and collect for disposal.

SECTION 7 - HANDLING AND STORAGE

7.1. Precautions for safe handling

Ground and bond container when transferring.

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids. See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Acids and/or bases

Do not store or handle product in the presence of heat, sparks, or open flame.

See section 2 for further details. - [Storage]

7.3. Specific end use(s)

No data available.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|-------------------|----------|---|
| 0000067-63-0 | Isopropyl Alcohol | OSHA | TWA 400 ppm (980 mg/m ³) STEL 500 ppm |
| | | ACGIH | TWA: 200 ppm STEL: 400 ppm Revised 2003, |
| | | NIOSH | TWA 400 ppm (980 mg/m ³) ST 500 ppm (1225 mg/m ³) |
| | | Supplier | No Established Limit |
| 0000078-93-3 | Butanone | OSHA | TWA 200 ppm (590 mg/m ³) |
| | | ACGIH | TWA: 50 ppm STEL: 100 ppm |
| | | NIOSH | TWA 200 ppm (590 mg/m ³) ST 300 ppm (885 mg/m ³) |
| | | Supplier | No Established Limit |

| CAS No. | Ingredient | Source | Value |
|--------------|---|----------|---|
| 0000097-85-8 | isobutyl isobutyrate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0000107-87-9 | Methyl Propyl Ketone | OSHA | TWA 200 ppm (700 mg/m3) |
| | | ACGIH | TWA: 150 ppm STEL: 250 ppm |
| | | NIOSH | TWA 150 ppm (530 mg/m3) |
| | | Supplier | No Established Limit |
| 0000108-10-1 | Methyl Isobutyl Ketone | OSHA | TWA 100 ppm (410 mg/m3) STEL 75 ppm |
| | | ACGIH | TWA: 20 ppm STEL: 75 ppm 2B, Revised 2011, |
| | | NIOSH | TWA 50 ppm (205 mg/m3) ST 75 ppm (300 mg/m3) |
| | | Supplier | No Established Limit |
| 0000108-65-6 | Propylene glycol monomethyl ether acetate | OSHA | No Established Limit |
| | | ACGIH | TWA: 50 ppm STEL: 75 ppm |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0000108-83-8 | Di-isobutyl ketone | OSHA | TWA 50 ppm (290 mg/m3) |
| | | ACGIH | TWA: 25 ppm |
| | | NIOSH | TWA 25 ppm (150 mg/m3) |
| | | Supplier | No Established Limit |
| 0000108-88-3 | Toluene | OSHA | TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak) STEL 150 ppm |
| | | ACGIH | TWA: 20 ppmR |
| | | NIOSH | TWA 100 ppm (375 mg/m3) ST 150 ppm (560 mg/m3) |
| | | Supplier | No Established Limit |
| 0000108-94-1 | Cyclohexanone | OSHA | TWA 50 ppm (200 mg/m3) |
| | | ACGIH | TWA: 20 ppm STEL: 50 ppm skin Revised 2003, |
| | | NIOSH | TWA 25 ppm (100 mg/m3) [skin] |
| | | Supplier | No Established Limit |

| CAS No. | Ingredient | Source | Value |
|--------------|-----------------------------|----------|----------------------------|
| 0000110-12-3 | Methyl Isoamyl Ketone | OSHA | TWA 100 ppm (475 mg/m3) |
| | | ACGIH | TWA: 50 ppm |
| | | NIOSH | TWA 50 ppm (240 mg/m3) |
| | | Supplier | No Established Limit |
| 0000110-19-0 | iso-Butyl Acetate | OSHA | TWA 150 ppm (700 mg/m3) |
| | | ACGIH | TWA: 150 ppm |
| | | NIOSH | TWA 150 ppm (700 mg/m3) |
| | | Supplier | No Established Limit |
| 0000110-43-0 | Methyl Amyl Ketone | OSHA | TWA 100 ppm (465 mg/m3) |
| | | ACGIH | TWA: 50 ppm |
| | | NIOSH | TWA 100 ppm (465 mg/m3) |
| | | Supplier | No Established Limit |
| 0000123-42-2 | Diacetone Alcohol | OSHA | TWA 50 ppm (240 mg/m3) |
| | | ACGIH | TWA: 50 ppm |
| | | NIOSH | TWA 50 ppm (240 mg/m3) |
| | | Supplier | No Established Limit |
| 0000141-78-6 | Ethyl acetate | OSHA | TWA 400 ppm (1400 mg/m3) |
| | | ACGIH | TWA: 150 ppm |
| | | NIOSH | TWA 400 ppm (1400 mg/m3) |
| | | Supplier | No Established Limit |
| 0000763-69-9 | 3-éthoxypropionate d'éthyle | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0001330-20-7 | Xylene | OSHA | STEL 150 ppm |
| | | ACGIH | TWA: 100 ppm STEL: 150 ppm |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

| CAS No. | Ingredient | Source | Value |
|--------------|---|----------|---|
| 0007789-99-3 | Methylamyl acetate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0034590-94-8 | (2-methoxymethylethoxy)propanol | OSHA | TWA 100 ppm (600 mg/m3) [skin] |
| | | ACGIH | TWA: 100 ppm STEL: 150 ppm Skin |
| | | NIOSH | TWA 100 ppm (600 mg/m3) ST 150 ppm (900 mg/m3) [skin] |
| | | Supplier | No Established Limit |
| 0064742-95-6 | Solvent naphtha (petroleum), light aromatic | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|----------------------|--------|---|
| 0000067-63-0 | Isopropyl Alcohol | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0000078-93-3 | Butanone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000097-85-8 | isobutyl isobutyrate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000107-87-9 | Methyl Propyl Ketone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|---|
| 0000108-10-1 | Methyl Isobutyl Ketone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No; |
| 0000108-65-6 | Propylene glycol monomethyl ether acetate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000108-83-8 | Di-isobutyl ketone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000108-88-3 | Toluene | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0000108-94-1 | Cyclohexanone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0000110-12-3 | Methyl Isoamyl Ketone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000110-19-0 | iso-Butyl acetate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000110-43-0 | Methyl Amyl Ketone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000123-42-2 | Diacetone Alcohol | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|---|
| 0000141-78-6 | Ethyl acetate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000763-69-9 | 3-éthoxypropionate d'éthyle | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0001330-20-7 | Xylene | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0007789-99-3 | Methylamyl acetate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0034590-94-8 | (2-methoxymethyl ethoxy) propanol | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0064742-95-6 | Solvent naphtha (petroleum), light aromatic | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

Respiratory

Wear respirator with organic vapor cartridge when necessary.

Eyes

Chemical goggles are recommended to avoid contact with eyes.

Skin

Wear rubber or plastic gloves.

Engineering Controls

Local exhaust ventilation required.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Amber Tinted Liquid

Odor

Solvent

Odor threshold

Not determined

pH

Not Measured

Melting point / freezing point

Not Measured

Product name: Clear Penetrating Epoxy Sealer Cold Weather Formula Part A Revision Date:12/07/2015

| | |
|--|--|
| Initial boiling point and boiling range | Not Measured |
| Flash Point | 52°F/11°C Tag closed cup |
| Evaporation rate (Ether=1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured |
| Vapor pressure (Pa) | < 30 mmHg |
| Vapor Density | Heavier than air |
| Specific Gravity | 0.75-0.9 g/cc |
| Solubility in Water | Appreciable |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Measured |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | Not Measured |
| VOC Content when mixed A with B | 600 g/l (EPA Method 24) |
| Solubility in Water | Appreciable (> 10%) |

9.2. Other information

V.O.C. of mixed product < 600 g/L (EPA Method 24)

SECTION 10 - STABILITY AND REACTIVITY

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Heating may cause pressure build-up and possible rupture of the container.

10.5. Incompatible materials

Acids and/or bases

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, oxides of nitrogen and partly decomposed organic compounds

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. 2-butoxyethanol

and its acetate are readily absorbed through the skin and will cause harmful effects on the blood. Based on animal testing, the C9 aromatic hydrocarbon components (trimethylbenzenes and ethylmethylbenzenes) are presumed to cause fetal toxicity and/or decreased fetal and newborn weights if overexposure occurs during the early gestation period.

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|--|-------------------------------|----------------------------------|--|--|---------------------------------|
| Isopropyl Alcohol - (67-63-0) | 4,710.00, Rat - Category: 5 | 12,800.00, Rat - Category: NA | 72.60, Rat - Category: NA | No data available | No data available |
| Butanone - (78-93-3) | 2,737.00, Rat - Category: 5 | 6,480.00, Rabbit - Category: NA | 32.00, Mouse - Category: NA | No data available | No data available |
| isobutyl isobutyrate - (97-85-8) | 12,800.00, Rat - Category: NA | 8,600.00, Rabbit - Category: NA | No data available | No data available | No data available |
| Methyl Propyl Ketone - (107-87-9) | 1,600.00, Rat - Category: 4 | 6,500.00, Rabbit - Category: NA | No data available | No data available | No data available |
| Methyl Isobutyl Ketone - (108-10-1) | 2,800.00, Rat - Category: 5 | 16,000.00, Rabbit - Category: NA | No data available | No data available | No data available |
| Propylene glycol monomethyl ether acetate - (108-65-6) | 8,532.00, Rat - Category: NA | 5,000.00, Rabbit - Category: 5 | No data available | No data available | 4,345.00, Rat - Category: NA |
| Di-isobutyl ketone - (108-83-8) | 5,750.00, Rat - Category: NA | 16,000.00, Rabbit - Category: NA | No data available | No data available | No data available |
| Toluene - (108-88-3) | 636.00, Rat - Category: 4 | 8,400.00, Rabbit - Category: NA | No data available | No data available | No data available |
| Cyclohexanone - (108-94-1) | 1,400.00, Mouse - Category: 4 | 948.00, Rabbit - Category: 3 | 10.70, Rat - Category: 4 | No data available | 8,000.00, Rat - Category: 4 |
| Methyl Isoamyl Ketone - (110-12-3) | 3,200.00, Rat - Category: 5 | 8,110.00, Rabbit - Category: NA | No data available | No data available | No data available |
| iso-Butyl acetate - (110-19-0) | 13,400.00, Rat - Category: NA | 17,400.00, Rabbit - Category: NA | No data available | No data available | No data available |
| Methyl Amyl Ketone - (110-43-0) | 1,670.00, Rat - Category: 4 | 12,600.00, Rabbit - Category: NA | No data available | No data available | No data available |

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|--|------------------------------|----------------------------------|--|--|---------------------------------|
| Diacetone Alcohol - (123-42-2) | 2,520.00, Rat - Category: 5 | 13,500.00, Rabbit - Category: NA | No data available | No data available | 1,500.00, Rat - Category: NA |
| Ethyl acetate - (141-78-6) | 5,600.00, Rat - Category: NA | 18,000.00, Rabbit - Category: NA | 58.60, Rat - Category: NA | No data available | No data available |
| 3-éthoxypropionate d'éthyle - (763-69-9) | 4,300.00, Rat - Category: 5 | 9,500.00, Rabbit - Category: NA | No data available | No data available | No data available |
| Xylene - (1330-20-7) | 4,299.00, Rat - Category: 5 | 1,548.00, Rabbit - Category: 4 | No data available | 20.00, Rat - Category: NA | 5,000.00, Rat - Category: 4 |
| Methylamyl acetate - (7789-99-3) | No data available | No data available | No data available | No data available | No data available |
| (2-methoxymethylethoxy) propanol - (34590-94-8) | 3,500.00, Rat - Category: 5 | 19,00.00, Rabbit - Category: NA | No data available | No data available | No data available |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 6,800.00, Rat - Category: NA | 3,400.00, Rabbit - Category: 5 | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|-----------------|---|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | 4 | Harmful if inhaled. |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Serious eye damage/irritation | 2 | Causes serious eye irritation. |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | 2 | Suspected of damaging the unborn child. |

| Classification | Category | Hazard Description |
|--------------------------|----------|--|
| STOT - single exposure | 3 | May cause drowsiness or dizziness. |
| STOT - single exposure | 3 | May cause respiratory irritation. |
| STOT - repeated exposure | 2 | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | --- | Not Applicable |

SECTION 12 - ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic life

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|--------------------------------------|--------------------------------|--|
| Isopropyl Alcohol - (67-63-0) | 1,400.00, <i>Lepomis macrochirus</i> | 100.00, <i>Daphnia magna</i> | 100.00 (72 hr), <i>Scenedesmus subspicatus</i> |
| Butanone - (78-93-3) | 400.00, <i>Cyprinodon variegatus</i> | 520.00, <i>Daphnia magna</i> | 500.00 (96 hr), <i>Skeletonema costatum</i> |
| isobutyl isobutyrate - (97-85-8) | Not Available | Not Available | Not Available |
| Methyl Propyl Ketone - (107-87-9) | 1,240.00, <i>Pimephales promelas</i> | Not Available | 0.00 (96 hr), |
| Methyl Isobutyl Ketone - (108-10-1) | 505.00, <i>Pimephales promelas</i> | 1,550.00, <i>Daphnia magna</i> | 980.00 (48 hr), <i>Scenedesmus subspicatus</i> |
| Propylene glycol monomethyl ether acetate - (108-65-6) | 100.00, <i>Salmo gairdneri</i> | 500.00, <i>Daphnia magna</i> | Not Available |
| Di-isobutyl ketone - (108-83-8) | 140.00, <i>Oncorhynchus mykiss</i> | 250.00, <i>Daphnia magna</i> | 100.00 (96 hr), <i>Selenastrum capricornutum</i> |
| Toluene - (108-88-3) | 5.80, <i>Oncorhynchus mykiss</i> | 19.60, <i>Daphnia magna</i> | Not Available |
| Cyclohexanone - (108-94-1) | 527.00, <i>Pimephales promelas</i> | 820.00, <i>Daphnia magna</i> | 32.90 (72 hr), <i>Chlamydomonas reinhardtii</i> |
| Methyl Isoamyl Ketone - (110-12-3) | 159.00, <i>Pimephales promelas</i> | 560.00, <i>Daphnia magna</i> | 920.00 (72 hr), <i>Chlorococcales</i> |
| iso-Butyl acetate - (110-19-0) | 101.00, <i>Leuciscus idus</i> | 250.00, <i>Daphnia magna</i> | 600.00 (24 hr), <i>Chlorococcales</i> |
| Methyl Amyl Ketone - (110-43-0) | 131.00, <i>Pimephales promelas</i> | Not Available | Not Available |

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|--------------------------------|----------------------------|---|
| Diacetone Alcohol - (123-42-2) | 420.00, Lepomis macrochirus | 9,000.00, Daphnia magna | Not Available |
| Ethyl acetate - (141-78-6) | 100.00, Danio rerio | 100.00, Daphnia magna | 100.00 (72 hr), Desmodesmus subspicatus |
| 3-éthoxypropionate d'éthyle - (763-69-9) | 50.00, Pimephales promelas | 480.00, Daphnia magna | 115.00 (72 hr), Selenastrum capricornutum |
| Xylene - (1330-20-7) | 3.30, Oncorhynchus mykiss | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales |
| Methylamyl acetate - (7789-99-3) | Not Available | Not Available | Not Available |
| (2-methoxymethylethoxy) propanol - (34590-94-8) | 10,000.00, Pimephales promelas | 1,919.00, Daphnia magna | 969.00 (72 hr), Algae |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 9.22, Oncorhynchus mykiss | 6.14, Daphnia magna | 19.00 (72 hr) Selenastrum capricornutum |

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Destroy by liquid incineration. Use absorbent material and deposit in toxic landfill in accordance with local, state, and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|---|---------------------------------------|--------------------------------------|--------------|
| 14.1. UN number | UN1263 | UN1263 | UN1263 |
| 14.2. UN proper shipping name | UN1263, Paint, 3, II | Paint | Paint |
| 14.3. Transport hazard class(es) | DOT Hazard Class: 3 | IMDG: 3 Sub Class: Not Applicable | Air Class: 3 |
| 14.4. Packing Group | II | II | II |

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

| |
|--|
| SECTION 15 - REGULATORY INFORMATION |
|--|

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance All components of this material are either listed or exempt from listing on the TSCA

Control Act (TSCA) Inventory.

WHMIS Classification B2 D2A

US EPA Tier II Hazards **Fire:** Yes

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs (lbs):

| | |
|------------------------|------------|
| Butanone | (5,000.00) |
| Cyclohexanone | (5,000.00) |
| Ethyl acetate | (5,000.00) |
| iso-Butyl acetate | (5,000.00) |
| Methyl Isobutyl Ketone | (5,000.00) |
| Toluene | (1,000.00) |
| Xylene | (100.00) |

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at the levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

(2-methoxymethylethoxy)propanol
Isopropyl Alcohol
Methyl Isobutyl Ketone
Toluene
Xylene

Proposition 65 - Carcinogens (>0.0%):

Methyl Isobutyl Ketone

Proposition 65 - Developmental Toxins (>0.0%):

Methyl Isobutyl Ketone
Toluene

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

(2-methoxymethylethoxy)propanol
Diacetone Alcohol
Butanone
Cyclohexanone
Di-isobutyl ketone

Ethyl acetate
iso-Butyl acetate
isobutyl isobutyrate
Isopropyl Alcohol
Methyl Amyl Ketone
Methyl Isoamyl Ketone
Methyl Isobutyl Ketone
Methyl Propyl Ketone
Toluene
Xylene

Pennsylvania RTK Substances (>1%):

(2-methoxymethylethoxy)propanol
Diacetone Alcohol
Butanone
Cyclohexanone
Di-isobutyl ketone
Ethyl acetate
iso-Butyl acetate
Isopropyl Alcohol
Methyl Amyl Ketone
Methyl Isoamyl Ketone
Methyl Isobutyl Ketone
Methyl Propyl Ketone
Toluene
Xylene

| |
|---------------------------------------|
| SECTION 16 - OTHER INFORMATION |
|---------------------------------------|

The information and recommendations contained herein are based upon data believed to be corrected. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of the product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

- H225 Highly Flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

The information on this Safety Data Sheet is believed to be accurate and is the best information available to the manufacturer. This document does not purport to be all-inclusive and is intended only as a guide to the appropriate precautions for handling a chemical by a person trained in chemical handling. It does not represent any guarantee of the properties of the product. The manufacturer makes no warranty of merchantability, fitness for a particular purpose or any other warranty, expressed or implied with respect to such information of the product to which it relates, and we assume no liability resulting from the use or handling of the product to which this SDS relates. Users and handlers of this product should make their own investigations to determine the suitability of the product for their own purposes.

FOR YOUR PROTECTION:

The continuing decay of our society brings you the following:

The following pertains to all of this manufacturer's products, including this one, and any paper upon which this may be printed:

California State Product Liability Warning (Business and Professions Code, Section 1714.45): This product is inherently unsafe. It cannot be made safe.

This was known as the "Willie Brown Law", passed by him in his last days as Speaker of the California legislature, that exempted ordinary consumer products such as butter, eggs tobacco and any other consumer product that wished to be, from product liability suits in the State of California.

California State Health & Safety Code Section 25249.6: All paper products inherently contain detectable levels of formaldehyde. Therefore, under this Code Section and as required by law, it must be stated that detectable amounts of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in the containers, paper labels or packing materials. This was the result of Proposition 65 in California, some decades back, that sought to define in law, regardless of scientific fact, anything having any hazard at all as having an equal hazard in any lesser concentration, and if it became invisible, it magically ceased to be hazardous at all; bad science, but a California State law ever since.

Revision: 12/07/2015

FOR FURTHER INFORMATION, PLEASE CONTACT: The Rot Doctor

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