

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Blue, Medium syrupy liquid | Odor Threshold: | N/D |
| Odor: | Ethereal | | |
| P.H. | Not Applicable | | |
| Melting/Freezing Point: | -95°C (-139°F) Based on first freezing component: Acetone | Boiling Range: | 57°C (133°F) to 67°C (151°F) |
| Boiling Point: | 57°C (133°F) Based on first boiling component: Acetone | Evaporation Rate: | > 1.0 (BUAC = 1) |
| Flash Point: | -14°C (7°F) T.C.C. based on THF | Flammability: | Category 2 |
| Specific Gravity | @23°C ± 2° (73°F ± 3.6°) Typical 0.955 ± 0.01 | Flammability Limits: | LEL: 2% UEL: 11.8% |
| Solubility: | Solvent portion completely soluble in water. Resin portion separates out. | Vapor Pressure: | 190 mm Hg @ 20°C (68°F): Acetone |
| Partition Coefficient n-octanol/water: | Not Available | Vapor Density: | 2.49 (Air = 1) |
| Auto-ignition Temperature: | 321°C (609.8°F): THF | Other Data: Viscosity: | Medium bodied |
| Decomposition Temperature: | Not Applicable | | |
| VOC Content : | When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 510 g/l. | | |

SECTION 10 - STABILITY AND REACTIVITY

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| Stability: | Stable |
| Hazardous decomposition products: | None in normal use. When forced to burn, this product gives off carbon monoxide (CO), carbon dioxide (CO2), hydrogen chloride (HCl) and smoke. |
| Conditions to avoid: | Keep away from heat, sparks, open flame and other ignition sources. |
| Incompatible Materials: | Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates. |

SECTION 11 - TOXICOLOGICAL INFORMATION

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| Likely Routes of Exposure: | Inhalation, Eye and Skin Contact | |
| Acute symptoms and effects: | | |
| Inhalation: | Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages. | |
| Eye Contact: | Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid. | |
| Skin Contact: | Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact. | |
| Ingestion: | May cause nausea, vomiting, diarrhea and mental sluggishness. | |
| Chronic (long-term) effects: | None known to humans | |
| Carinogenicity: | | |
| | Tetrahydrofuran (109-99-9) | |
| | ACGIH: A3- Confirmed Animal Carcinogen with Unknow Relevance to Humans | |
| | Cyclohexanone (108-94-1) | |
| | ACGIH: A3- Confirmed Animal Carcinogen with Unknow Relevance to Humans | |
| Toxicity: | LD50 | LC50 |
| Tetrahydrofuran (THF) | Oral: 2880 mg/kg (rat) | Inhalation 3 hrs. 21,000 PPM (rat) |
| Methyl Ethyl Ketone (MEK)_ | Oral: 3.98 g/kg (rat), Dermal: 8-10 mg/kg (rabbit) | Inhalation 4 hrs. 4,000 PPM (rat) |
| Cyclohexanone | Oral: 1900 mg/kg (rat), Dermal: 1.0 g/kg (rabbit) | Inhalation LCLO, 4 hrs, 2,000 PPM (rat) |
| Acetone | Oral: 9.75 g/kg (rat), Dermal: 20 g/kg (rabbit) | Inhalation LCLO, 4 hrs, 16,000 PPM (rat) |

| Reproductive Effects | Teratogenicity | Mutagenicity | Embryotoxicity | Sensitization to Product | Synergistic Products |
|--------------------------------|----------------|---------------|----------------|--------------------------|----------------------|
| May cause embryofetal toxicity | Not Applicable | Not Available | Not Applicable | Not Applicable | Not Available |

SECTION 12 - ECOLOGICAL INFORMATION

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| Ecotoxicity: | Category IV |
| Mobility: | In normal use, emission of volatile organic compounds (VOC's) to the air takes place. Typically at a rate of ≤ 510 Grams/Liter. |
| Degradability: | Biodegradable |
| BioAccumulation: | Minimal to none. |

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert. Can be disposed of by controlled incineration. May be allowed to dry and disposed of as trash. Excessive quantities should not be permitted to enter drains, sewers or water courses. Empty containers should be air dried before disposing.

SECTION 14 - TRANSPORT INFORMATION

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| DOT, IATA, ADR, IMO/MDG SHIPPING INFORMATION | |
| Proper Shipping Name: | Adhesives DOT/MDG EXCEPTION: Case quantities of cement in containers of less than one liter may be shipped as LIMITED QUANTITY when properly labeled and marked. |
| Hazard Class: | 3 ICAO/IATA May be shipped by air as CONSUMER COMMODITY, ID 8000 when properly packaged, labeled and marked. |
| Secondary Risk | None |
| Identification Number: | UN 1133 |
| Packing Group: | II |
| Label Required: | Flammable Liquid |
| Marine Pollutant: | NO |
| | TDG INFORMATION |
| | TDG CLASS: FLAMMABLE LIQUID 3 |
| | SHIPPING NAME: ADHESIVES (TETRAHYDROFURAN) |
| | UN NUMBER: 1133, PG II |

SECTION 15 - REGULATORY INFORMATION

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| Precautionary Label Information: | Highly Flammable, Irritant | Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS) |
| Symbols: | F, Xi | |
| Risk Phrases: | R-11 Highly Flammable R-20 Harmful by inhalation R-21 Harmful in contact with skin. R-22 Harmful if swallowed. | R-36/37/38 Irritating to eyes, respiratory system and skin. R67 Vapours may cause drowsiness and dizziness |
| Safety Phrases: | S-2 Keep out of reach of children. S-7 Keep container tightly closed when not in use. S-9 Keep container in a well-ventilated place. S-15/16 Keep away from heat and sources of ignition. No smoking. S-23 Do not breathe vapor. | S-24/25 Avoid contact with skin and eyes. S-29 Do not empty into drains. S-37 Wear suitable gloves. S-45 If seeking medical advice show physician label or SDS. S-46 Use only in well ventilated areas. |

SECTION 16 - OTHER INFORMATION

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| Specification Information: | | |
| Department issuing data sheet: | Environmental Health & Safety | All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances). |
| e-mail address: | <EHSinfo@christy.com> | |
| Training necessary: | Yes, training in practices and procedures contained in product literature. | |
| Reissue date / reason for reissue: | MAY 2016/ Updated Information | |
| Intended Use of Product: | Adhesive for bonding/cementing PVC plastic pipe and fittings | |

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.