

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, thin liquid
Odor: Ethereal
P.H. Not Applicable
Melting/Freezing Point: -95°C (-139°F) Based on first freezing component: Acetone
Boiling Point: 57°C (133°F) Based on first boiling component: Acetone
Flash Point: -20°C (-4°F) T.C.C. based on Acetone
Specific Gravity @23°C ± 2° (73°F ± 3.6°) Typical 0.791 ± 0.01
Solubility: Solvent portion completely soluble in water. Resin portion separates out.
Partition Coefficient n-octanol/water: Not Available
Auto-ignition Temperature: 420°C (788°F): Cyclohexanone
Decomposition Temperature: Not Applicable
VOC Content : When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 550 g/l.

Odor Threshold: N/D
Boiling Range: 57°C (133°F) to 67°C (151°F)
Evaporation Rate: 6 - 11 (BUAC = 1)
Flammability: Category I
Flammability Limits: LEL: 2%
UEL: 11.8%
Vapor Pressure: 190 mm Hg @ 20°C (68°F): Acetone
Vapor Density: 2.0 (Air = 1)
Other Data: Viscosity: Water thin

SECTION 10 - STABILITY AND REACTIVITY

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

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
 Methyl Ethyl Ketone (MEK)₂ 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

Ecotoxicity: Category IV
Mobility: In normal use, emission of volatile organic compounds (VOC's) to the air takes place. Typically at a rate of ≤ 550 Grams/Liter.
 Minimal other adverse effects include possible ground water contamination from release to soil, sewers, drains or water course.
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

DOT, IATA, ADR, IMO/MDG SHIPPING INFORMATION
Proper Shipping Name: Flammable Liquid, n.o.s. (Acetone) DOT/IMDG 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 Methyl Ethyl Ketone ICAO/IATA May be shipped by air as CONSUMER COMMODITY, ID 8000 when properly packaged, labeled and marked.
Secondary Risk None
Identification Number: UN 1993
Packing Group: II
Label Required: Flammable Liquid
TDG INFORMATION
TDG CLASS: FLAMMABLE LIQUID 3
SHIPPING NAME: FLAMMABLE LIQUID, n.o.s. (Acetone)
UN NUMBER: 1993, PG II
Marine Pollutant: NO

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Highly Flammable, Irritant
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.
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.

Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
 R-36/37/38 Irritating to eyes, respiratory system and skin.
 R67 Vapours may cause drowsiness and dizziness
 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

Specification Information:
Department issuing data sheet: Environmental Health & Safety
e-mail address: <EHSinfo@tchristy.com> All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
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.