



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: EZ-4719-NF

Product type: **NON FLAMMABLE – SELF-EXTINGUISHING DUCT SEALANT**

Restriction of use: None identified

Company Address: Precision Adhesives
131 Brown Street
Yatesville, PA 18640

Telephone numbers: 570-654-6735

Transport Emergency phone: Chemtrec 800-424-9300

Medical Emergency phone: Poison Control Center 1.877.671.4608

SECTION 2: HAZARDS IDENTIFICATION

Signal word

Danger

Hazard statements

H315 – Causes skin irritation (category 2)

H319 - Causes serious eye irritation (category 2)

H336 - May cause drowsiness or dizziness (category 3)

H350 – May cause cancer (category 1B)

H411 – Toxic to aquatic life with long lasting effects (category 2)

Pictograms:



Precautionary statements

P261 P271 Avoid breathing vapour. Use only in a well ventilated area

P262 P264 Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear eye protection, protective gloves and clothing of butyl or “Viton”.

P273 P391 Avoid release to the environment. Collect spillage.

Hazards not otherwise classified

EUH 066 Repeated exposure may cause skin dryness or cracking.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS#	%
TRICHLOROETHYLENE	79-01-6	30 to 50
METHYL ETHYL KETONE	78-93-3	<5
FORMALDEHYDE	50-00-0	<1
ANTIMONY OXIDE	1309-64-4	5 – 10
elastomer		18 to 25
resins		10 to 15
inert filler		15 to 25

SECTION 4: FIRST-AID MEASURES

SIGNS AND SYMPTOMS OF EXPOSURE:

Eyes: Irritation Skin: Irritation Inhalation: dizziness, drowsiness, nausea

FIRST AID & EMERGENCY PROCEDURES:

Eyes: Immediately flush with plenty of water for at least 15 minutes, lifting eyelids occasionally during flushing to facilitate irrigation. Seek medical attention.

Skin: Immediately wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention.

Ingestion: Take immediately to hospital or physician.

SECTION 5: FIRE FIGHTING MEASURES

This material is non-flammable and self-extinguishing

SECTION 6: ACCIDENTAL RELEASE MEASURES

Soak up with absorbent material, remove to a chemical disposal area. Enclose with diking material to prevent seepage into any natural bodies of water. Absorb residue and dispose of all waste according to all local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep container closed when not in use. Do not breath gas/fumes/vapor/spray. Wash thoroughly after handling. Do not store above 100° F.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Components	CAS#	TLV
TRICHLOROETHYLENE	79-01-6	TWA EV 10 ppm TLV 55 mg/m ³
METHYL ETHYL KETONE	78-93-3	200 ppm OSHA - 8HRS TWA 300 ppm - 15 MINS. STEL
FORMALDEHYDE	50-00-0	1 ppm OSHA
NTIMONY OXIDE*	1309-64-4	TWA: 0.5 mg/m ³

Respiratory Protection: The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved) or supplied air equipment, depending on airborne concentration.

Ventilation: General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.

Protective Gloves: The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation and absorption.

Other Protective Clothing or Equipment: Safety glasses, chemical goggles and/or face shield are recommended to safeguard against potential eye contact, irritation or injury.

Special clothing is advised as good chemical handling practice. The availability of eye wash and safety showers in work areas is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	87°C / 189°F	Vapor Density (AIR=1)	4.5
Specific Gravity (H ₂ O=1)	1.01	Evaporation Rate (Butyl Acetate=1)	4.5-4.9
Vapor Pressure (mmHg)	60	Solubility in Water	NIL
Percent Volatile by Weight	40 to 60		
Appearance and Odor	Aluminum colored, mastic, ketone odor		

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable HAZARDOUS POLYMERIZATION: May not occur

CONDITIONS TO AVOID: Exposure to heat, sparks, open flames, static electricity.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS OR BYPRODUCTS: Carbon monoxide, carbon dioxide, smoke, fumes, other unidentified toxic materials.

SECTION 11: TOXICOLOGICAL INFORMATION

Skin Contact <i>minutes</i>)	severely irritating if not removed promptly; chemical burns if contact is prolonged (>5
Skin Absorption	slight – no systemic toxic effects by this route
Eye Contact	liquid severely irritating, may damage eyes; vapour irritates some above 160ppm, others at 350ppm, blurred vision & other disturbances have been reported following contact with eyes
Inhalation	headache, dizziness, drowsiness, intoxication may occur at above 350ppm; irritating above 1000ppm; high concentrations can lead to unconsciousness & death, numbness & muscle weakness also reported
Ingestion vomiting,	burning sensation in mouth & throat; headache, dizziness, drowsiness, intoxication & followed by muscle weakness, plus possible delayed heart, kidney & liver damage
LD50 (oral)	4920 & 5620mg/kg (rat), 2400mg/kg (mouse), >7330mg/kg (rabbit), >5865mg/kg (cat), 5680mg/kg (dog)
LD50 (skin)	29,280mg/kg (rabbit)
LC50 (inhalation)	7175, 7440, 8450, 40,920 & 48,730ppm (mouse), 7250 & 26,170ppm (rat)

SECTION 12: ECOLOGICAL INFORMATION

Bioaccumulation	trichloroethylene metabolised & excreted (½-life ~40hr) and will not bioaccumulate
Biodegradation	biodegrades in aerobic sewage treatment facilities, but only in the presence of other carbon sources; biodegradation is much slower under anaerobic conditions
Abiotic Degradation	reacts with atmospheric hydroxyl (OH) radicals; estimated ½-life in air 5-7 days
Mobility in soil, water	shown to have moderate mobility in soil and the water column

Marine Toxicity

LC ₅₀ (96 hr) Fish	28 & 63mg/litre/96hr (Jordanella floridae), 41mg/litre/96hr (Pimephelas promelas), 16mg/litre Limada limada), 52 & 99mg/litre, (Cyprinodon variegatus), 45mg/litre (Lepomis macrochirus)
LC ₅₀ (48hr) Shrimp	58mg/litre/ (Daphnia cucullata), 2.2, 8, 21 & 42-97mg/litre (Daphnia magna) & others
EC ₅₀ (Algae)	450mg/litre (Scenedesmus subspicatus), 175mg/litre (Selenastrum capricornutum), 95 & 150mg/litre (Skeletonema costatum)
EC ₅₀ (Bacteria)	235mg/litre (Bacillus subtilis), >400mg/litre (Chilomonas paramecium), 975mg/litre (Photobacterium phosphorium) and others.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of only in accordance with local, state, and federal rules and regulations.

SECTION 14: TRANSPORT INFORMATION

D.O.T. Shipping Name: UN2810, Toxic liquid, organic, NOS (trichloroethylene) 6.1, PGII

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard: none

Contains:

	cas number
TRICHLOROETHYLENE	79-01-6
METHYL ETHYL KETONE	78-93-3

D.O.T. Label:

The DOT Hazardous Materials Regulations (HMR) include exceptions for certain shipments. For example, the HMR includes a “limited quantity” exception based on a reference to [49 CFR 173.150 through 173.155 and 173.306](#) from Column 8A of the Hazardous Materials Table at [49 CFR 172.101](#). This exception may apply to shipments of this product packaged entirely in 0.1 pound caulking tubes.

SECTION 15: REGULATORY INFORMATION

All ingredients are on the following inventories or are exempted from listing

Country	Notification
Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
Philippines	PICCS
USA	TSCA

Federal and State Regulations:

New York release reporting list: Methyl ethyl ketone

Rhode Island RTK hazardous substances: Methyl ethyl ketone

Pennsylvania RTK: Trichloroethylene, Methyl ethyl ketone

Minnesota: Methyl ethyl ketone

Massachusetts RTK: Trichloroethylene, Methyl ethyl ketone

New Jersey: Trichloroethylene, Methyl ethyl ketone

California Director's list of Hazardous Substances: Trichloroethylene, Methyl ethyl ketone

TSCA 8(b) inventory: Trichloroethylene, Methyl ethyl ketone, all other components are exempt.

TSCA 8(d) H and S data reporting: Methyl ethyl ketone: Effective: 10/4/82; Sunset: 10/4/92

SARA 313 toxic chemical notification and release reporting: Trichloroethylene, Methyl ethyl ketone

CERCLA: Hazardous substances.: Methyl ethyl ketone: 5000 lbs. (2268 kg)

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R11- Highly flammable. R36/37- Irritating to eyes and respiratory system. S9- Keep container in a well-ventilated place. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S33- Take precautionary measures against static discharges.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0
Specific hazard: none

SECTION 16: OTHER INFORMATION

Updated: 5/18/16

SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED

All information, recommendations and suggestions appearing herein concerning our products are based upon test data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Precision Adhesives as to the effects or such use, the results to be obtained, or the safety and toxicity of the product nor does Precision Adhesives assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.