



Poly Prep

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 08/10/2015 Revision date: 03/10/2017 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : Poly Prep

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

Use of the substance/mixture : Solvent based activator to increase cure speed of cyanoacrylate adhesives

1.3. Details of the supplier of the safety data sheet

Tech-Bond Solutions
3774 Old Columbus Rd. NW, Suite 101
Carroll, OH 43112 - United States
T 877-565-7225; F 866 411 0032
www.tbbonding.com – sales@tech-bond.net

1.4. Emergency telephone number

Emergency number : 1-877-565-7225

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



GHS02

GHS07

GHS08

GHS09

Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H225 - Highly flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US)

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only in a well-ventilated area
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P314 - Get medical advice and attention if you feel unwell P403+P235
Store in a well-ventilated place. Keep cool

2.3. Other hazards

Highly flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapors may cause drowsiness and dizziness. In use, may form flammable / explosive vapor-air mixture.

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SECTION 3: Composition/information on ingredients

3.1. Substance

Full text of H-phrases: see section 16

3.2. Mixture

Hazardous ingredients:

Name	Product identifier	%	GHS-US classification
Hydrotreated light naphtha	(CAS No) 64742-49-0	95 - 99	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Isopropanol	(CAS No) 67-63-0	3 - 5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Triethylene diamine	(CAS No) 280-57-9	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314

SECTION 4: First aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.
First-aid measures after skin contact	: Rinse skin immediately with plenty of soap and water/shower for 10 minutes or longer. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity	: No reactivity hazard other than the effects described in sub-sections below.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Protective clothing. Protective goggles. Safety glasses. Gloves. Emergency procedures : Evacuate unnecessary personnel.

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6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Methods for cleaning up : Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Use only non-sparking tools and equipment in clean-up procedure.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No naked lights. No smoking. Use only non-sparking tools. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment.

Storage conditions : Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Keep away from direct sunlight. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Incompatible products : Strong bases. Strong acids. Oxidizing agents. Sources of ignition. Direct sunlight. Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Naphtha (petroleum), hydrotreated light (64742-49-0)		
USA ACGIH	ACGIH TWA (ppm)	400 ppm
USA ACGIH	ACGIH STEL (ppm)	500 ppm
2-propanol (67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	200 ppm

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing. Wear chemically resistant protective gloves.

Respiratory protection : Wear appropriate mask. Wear respiratory protection.

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Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid.
Color	: Clear
Odor	: Light, aliphatic hydrocarbon odor
Relative evaporation rate (butylacetate=1)	: 2.7
Boiling point	: 208° F
Flash point	: 0°F
Self ignition temperature	: 254 °C
Vapor pressure	: 35 mm Hg @68°F
Vapor Density	: 3.5 g/l
Specific Gravity	: 0.68
Solubility	: Immiscible
Flammable limits	: 1.0 – 7.0 vol %

9.2. Other information

VOC content : 680 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity hazard other than the effects described in sub-sections below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Avoid high temperatures, direct sunlight, open flames, sparks, welding, smoking and other ignition sources. Avoid static charge accumulation and discharge.

10.5. Incompatible materials

Strong bases. Strong acids. Oxidizing agent. Sources of ignition. Direct sunlight. Heat sources.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Naphtha (petroleum), hydrotreated light (64742-49-0)

LD50 oral rat	> 15000 mg/kg
LD50 dermal rat	> 3000 mg/kg

2-propanol (67-63-0)

LD50 oral rat	5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	16000 ppm (8 hr)
ATE US (oral)	5045.000 mg/kg bodyweight
ATE US (dermal)	12870.000 mg/kg bodyweight
ATE US (vapors)	73.000 mg/l/4h
ATE US (dust,mist)	73.000 mg/l/4h

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Triethylene diamine (280-57-9)	
LD50 oral rat	1700 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
ATE US (oral)	1700.000 mg/kg bodyweight
2-propanol (67-63-0)	
IARC group	3 - Not classifiable

SECTION 12: Ecological information

12.1. Toxicity

2-propanol (67-63-0)	
LC50 fish 1	4200 mg/l (96 h; Rasbora heteromorpha; Flow-through system)
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	9640 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 2	13299 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)
Threshold limit algae 2	1800 mg/l (72 h; Algae; Cell numbers)

Triethylene diamine (280-57-9)	
LC50 fish 1	1730 mg/l (96 h; Pimephales promelas)

12.2. Persistence and degradability

Poly Prep	
Persistence and degradability	Not established.

2-propanol (67-63-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.19 g O ₂ /g substance
Chemical oxygen demand (COD)	2.23 g O ₂ /g substance
ThOD	2.40 g O ₂ /g substance
BOD (% of ThOD)	0.49 % ThOD

Triethylene diamine (280-57-9)	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

Poly Prep	
Bioaccumulative potential	Not established.

2-propanol (67-63-0)	
Log Pow	0.05 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Triethylene diamine (280-57-9)	
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Log Pow	-0.49 (Estimated value)
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Mobility in soil

Floats on water. Volatile. Readily absorbed into soil.

12.5. Other adverse effects

Other information : Avoid release to the environment. Keep out of sewers, drainage areas, and waterways. Report spills and releases, as applicable, under Federal and State regulations.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : After draining, leave to vent in a safe place away from sources of ignition and heat. Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. Dispose in a safe manner in accordance with local and national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment. RCRA hazardous waste. D001 (Ignitable). Incinerate waste in accordance with EPA and local regulations

SECTION 14: Transport information

In accordance with DOT

Transport document description : UN 1268, Petroleum distillates, n.o.s. or petroleum products, n.o.s.
UN-No.(DOT) : 1268
DOT NA no. : UN1268
DOT Proper Shipping Name : Petroleum distillates, n.o.s. or petroleum products, n.o.s. Department of Transportation
(DOT) Hazard : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 Classes
Hazard labels (DOT) : 3 - Flammable liquids



Packing group (DOT) : II - Medium Danger

Additional information

Other information : No supplementary information available.

ADR

Transport document description : UN 1268, Packaging group II, class 3

Transport by sea

Transport document description : UN 1268, Packaging group II, class 3

Air transport

Transport document description : UN 1268, Packaging group II, class 3

SECTION 15: Regulatory information

15.1. US Federal regulations

Naphtha (petroleum), hydrotreated light (64742-49-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Triethylene diamine (280-57-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2-propanol (67-63-0)

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Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313

15.2. International regulations CANADA

All components of this product are on the Canadian DSL list

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225
 Skin Irrit. 2 H315
 Eye Irrit. 2A H319
 STOT SE 3 H336
 Asp. Tox. 1 H304
 Aquatic Chronic 2 H411

15.2.2. National regulations

No additional information available

15.3. US State regulations

2-propanol (67-63-0)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur
 Flammability : 4 Severe Hazard
 Physical : 0 Minimal Hazard

SDS US (GHS HazCom 2012)

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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