



SAFETY DATA SHEET

Section 1 - Identification

Product Identifier: TOP COATING Part B
General Use: Epoxy Curing Resin
Manufacturer: Polymères Technologies Inc.
 6330 Boul. Laurier Ouest, Saint-Hyacinthe, QC, Canada J2S 9A7
 T: 1-450-250-3058/ 1-866-799-3058 F: 1-450-250-3059
sales@polymerestechnologies.com
Emergency Contact: 450-250-3058 or 450-778-8777

Section 2- Hazard Identification

Classification of the substance or mixture

GHS classification in accordance with WHMIS

ACUTE TOXICITY (oral) - Category 4 H302
 Acute toxicity (dermal) - Category 4 H312
 Serious eye damage/eye irritation, Category 1 H318
 Hazardous to the aquatic environment-Chronic Hazard, category 2 H411 Full
 text of H statements: see section 16

GHS Label elements, including precautionary statements

Pictogram(s)
Signal Word:
Warning



GHS05



GHS07



GHS09

Signal word (CLP): Danger

Hazardous ingredients: Propylidynetrimethanol, reaction products with ammonia

Hazard statements (CLP):

H302 + 312 – Harmful if swallowed or in contact with skin
 H318-Causes serious eye damage
 H411-Toxic to aquatic life with long lasting effects

Prevention:

P102 - Keep out of reach of children
 P103 - Read label before use.
 P264 - Wash Skin Thoroughly after handling.
 P270 - do not eat, drink or smoke when using this product
 P271 - Use in a well-ventilated area
 P272 - Contaminated work clothing should not be allowed out of the workplace
 P273 – Avoid release to the environment

P281 – Use personal protective equipment as required

P301 +P330+P331- if SWALLOWED: rinse mouth. DO NOT induce vomiting
P304 +P340 - if INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P303+ P361+ P353- IF ON SKIN (or hair): remove/ take off immediately all contaminated clothing. Rinse skin with water/shower
P305+ P351 + P338 + P310- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON. CENTER or physician.
P337+ P313 If eye irritation persists: Get Medical advice/attention.
P363 - Wash Contaminated clothing before reuse.

Storage

Precautions: P403+ P235 Store in a well-ventilated place. Keep cool.

Disposal

Precautions: P501 Dispose of contents/container according to local, state and federal laws.

Hazards not otherwise classified (HNOC) or not covered by GHS – none

Section 3- Composition / Information on Ingredients

3.1 Substances

The following ingredients are hazardous according to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200:

CAS	Component	Concentration
39423-51-3	Propylidynetrimethanol, propoxylated	40-80%

Section 4 – First Aid Measures

Description of first aid measures

Inhalation: Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin Contact: In case of skin contact, wash thoroughly with soap and water.

Ingestion: Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

None known.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 – Fire-Fighting Measures

Extinguishing Media: Water Fog, Dry Chemical, and Carbon Dioxide Foam

Special hazards arising from the substance or mixture: None known

Advice for firefighters: Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off “fuel” to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive-pressure mode.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.

Environmental precautions: No special environmental precautions required.

Methods and material for containment and cleaning up: absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution

Reference to other sections: if appropriate Sections 8 and 13 shall be referred to.

Section 7 – Handling and Storage

Precautions for safe handling: Use good general housekeeping procedures. Wash hands after use.

Conditions for safe storage, including any incompatibilities: Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

Specific end use(s): These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

Section 8 – Exposure Controls/ Personal Protection



Exposure controls:

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.

Hand Protection: Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.

Eye Protection: Safety glasses with side shields. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Other Protective Clothing/Equipment: Additional protective clothing or equipment is not normally required.
Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance: clear liquid
Odor/Threshold: Slight to none
pH: 10
Melting Point/Freezing Point: N.A.
Low/High Boiling Point: >446 °F
Flash Point: 280 °F
Evaporation Rate: Not available
Flammability: f.p. at or above 200 °F
UEL/LEL: Not available

Vapor Pressure: < 1.0 mmHg @ 70 °F
Vapor Density (Air=1): >1
Specific Gravity (H₂O=1, at 4 °C): 1.08
Water Solubility: 0.25 g/l
Partition coefficient: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available
% Volatile: Not available

Section 10 – Stability and Reactivity

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated., No corrosive effect on metal. Not fire propagating.

Chemical stability: These products are stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: Hazardous polymerization cannot occur.

Conditions to avoid: none known

Incompatible materials: strong bases and acids

Hazardous decomposition products: Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

Section 11 – Toxicological Information

Information on toxicological effects:

Skin Corrosion/Irritation: Causes skin irritation

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory/Skin Sensitization: no data

Germ Cell Mutagenicity: no data **Carcinogenicity:** no data **Reproductive Toxicity:** no data

Specific Target Organ Toxicity – Single Exposure: no data

Specific Target Organ Toxicity – Repeated Exposure: no data

Aspiration Hazard: no data

Acute Toxicity:

LD50, oral: >2,200 mg/kg (rat)

Inhalation: no data

LD50, dermal: > 1,000 mg/kg (Rabbit, calculation method)

Chronic Exposure: Absorption of phenolic solutions through the skin may be very rapid and can cause damage to the kidneys, liver, pancreas and spleen, and edema of the lungs.

Potential Health Effects – Miscellaneous: no data

Section 12 – Ecological Information

Toxicity: no data
Persistence and Degradability: no data
Bioaccumulative Potential: no data
Mobility in Soil: no data
Results of PBT and vPvB assessment: no data
Other Adverse Effects: no data

Section 13 – Disposal Consideration

Waste treatment methods: Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

Section 14 – Transport Information

UN number: UN3082

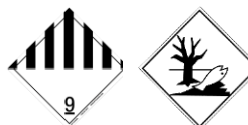
UN-No. (ADR) : 3082
 UN-No. (IMDG) : 3082
 UN-No. (IATA) : 3082
 UN-No. (ADN) : 3082
 UN-No. (RID) : 3082

UN proper shipping name

Proper Shipping Name (ADR)	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG)	:	Not applicable
Proper Shipping Name (IATA)	:	Not applicable
Proper Shipping Name (ADN)	:	Not applicable
Proper Shipping Name (RID)	:	Not applicable
Transport document description (ADR)	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (E)
Transport document description (IMDG)	:	UN 3082, 9, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport hazard class(es):

ADR
 Transport hazard class(es) (ADR) : 9
 Danger labels (ADR) : 9



IMDG
 Transport hazard class(es) (IMDG) : 9



Name of Product: TOP COATING PART B

IATA

Transport hazard class(es) (IATA) 9



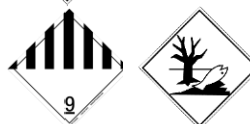
ADN

Transport hazard class(es) (ADN) 9



RID

Transport hazard class(es) (RID) 9
Danger labels (RID) 9



Packing Group

Packing group (ADR) : III
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

Environmental hazards

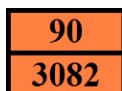
Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : No supplementary information available

Special precautions for user

- Overland transport

Classification code (ADR) : M6
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Hazard identification number (Kemler No.) : 90

Orange plates



Tunnel restriction code (ADR) : E

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

Section 15 – Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

United States (EPA Regulations):

TSCA Inventory Status (40 CFR710): All components of this formulation are listed in the TSCA Inventory.

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

SARA 311/312 Hazards: none

California Proposition 65: This product does not intentionally contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Chemical safety assessment: No chemical safety assessment has been carried out for this substance/mixture by the supplier.

Section 16 – Other Information



HMIS	
H	1
F	0
R	0

Revision: 2

Date Prepared: December 12th, 2018

Disclaimer: The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Polymères Technologies, it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use. This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH). Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC N° 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.