Name of Product : TOP COATING PART A

☑ GHS Compliant

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier: TOP COATING Part A
General Use: Epoxy 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

2.1 Classification of the substance or mixture

GHS classification in accordance with WHMIS

Skin irritation- Category 2
Eye irritation- Category 2A
Skin Sensitization- Category 1

3.1 GHS Label elements, including precautionary statements

Pictogram(s)

Signal Word: Warning

Health Hazards: H313 May be harmful in contact with skin.

General Precautions:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

Prevention Precautions:

P264	Wash Skin Thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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Precautions:

P302+P352	IF ON SKIN: Wash with plenty of soap and water
P303 + P361+ P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/ face protection
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+ P313	If skin irritation or rash occurs; Get medical advice/attention.
P362 + P364	Wash contaminated clothing before reuse.

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
25068-38-6	Bisphenol A Diglycidyl ether	<70%
25085-99-8	Oxirane, 2,2'-((1-methylethylidene)bis(4,1-phenyleneoxymethylene))bis-, homopolymer	15%-30%

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. If material has been swallowed and the exposed person is conscious, give small quantities or water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Most important symptoms and effects, both acute and delayed

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Indication of any immediate medical attention and specific treatment needed

Section 5 – Fire-Fighting Mesures

Extinguishing Media: Water Fog, Dry Chemical, and Carbon Dioxide Foam
Special hazards arising from the substance or mixture: In a fire or if heated, a pressure increase will occur, and the container may burst.

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: Put on appropriate protective gear including NIOSH/MSHA approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely**.** Follow applicable OSHA regulations (29 CFR 1910.120) for disposal.
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

Control parameters: none defined
Exposure controls:
Respiratory Protection: Respiratory protection is not normally required when using this product with adequate local exhaust ventilation. Where risk assessment shows air-purifying respirators are appropriate, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate filter cartridges as a backup to engineering controls.

Hand Protection: Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.
Eye Protection: Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. 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. Provide eye bath and safety shower.

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: Paste
Vapor Pressure: No Data
PH: No Data
Melting Point/Freezing Point: N.A
Low/High Boiling Point: >446 °F
Flash Point: >300°F
Evaporation Rate: No Data
Flammability: non-flammable
UEL/LEL: No Data

Vapor Density (Air=1): No Data
Specific Gravity (H_2O=1, at 4 °C): 1.0-1.2
Water Solubility: Insoluble
Partition coefficient: Not available
Auto-ignition temperature: No data
Decomposition temperature: No data
Viscosity: Gel
% Volatile: no data
Odor/Threshold: slight to none

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: May causes skin irritation
Serious Eye Damage/Irritation: May causes eye irritation.
Respiratory/Skin Sensitization: Has caused allergic skin reactions in humans.
Germ Cell Mutagenicity: no data
Carcinogenicity: No component of these products present at levels greater than or equal to 0.01% is identified as a carcinogen or potential carcinogen by IARC, ACGIH or NTP.
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: No data available
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 di whether the product meets RCRA criteria for hazardous waste as defined in 40 CFR Part 261. Waste management should compliance with federal, state and local laws. Regulations may vary in various locations. Waster characterizations and co with applicable laws are the responsibility solely of the waste generator.

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an appr landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should em drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse e containers.

Section 14 – Transport Information

Not classified by DOT, IATA or IMDG
UN number: none
UN proper shipping name: none
Transport hazard class(es): not applicable
Packing group: not applicable
Environmental hazards: none known
Special precautions for user: none known
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable

Section 15 – Regulatory Information

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

REACH: Regulation (EC) No 1907/2006 of The European Parliament and of The Council of December 2006 (including amendments and corrigenda as of 17 February 2016) This product complies with REACH or is not subject to regulation under REACH. The product does not contain an ingre on either the Candidate List or Authorization List for Substances of Very High Concern (SVHC).

In the 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
SARA 313 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section
SARA 311/312 Hazards: none
California Proposition 65**:** This product does not intentionally contain any chemicals known to the state of California to cau birth defects or other reproductive harm.
Chemical safety assessment: No chemical safety assessment has been carried out for this substance/mixture by the supp

Section 16 – Other Information

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Revision: 5
Date Prepared: December 12th, 2018

Glossary: ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS-Chemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIP-Chemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA-Emergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL- Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

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 Polymeres 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 No 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.