



GHS Compliant

SAFETY DATA SHEET

Section 1 - Identification

- 1.1 Product Identifier:** CHILL DROP OPAQUE
1.2 General Use: COLORANT
1.3 Manufacturer: Polymères Technologies Inc.
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1.4 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 classification
 Skin irritation- Category 2
 Eye irritation- Category 2A
 Skin Sensitization- Category 1

2.2 GHS Label elements, including precautionary statements



Pictogram(s)

Signal Word: Warning

Health Hazards:	H313	May be harmful in contact with skin.
General Precautions:	P101 P102 P103	If Medical advise is needed, have product Container or label at hand. Keep out of reach of children. Read label before use.
Prevention Precautions:	P264 P270 P272 P280	Wash Skin Thoroughly after handling. Do not eat, drink or smoke when using this product Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response Precautions:	P302+ P352 P303 + P361 + P353 P305 + P351 + P338	IF ON SKIN: Wash with plenty of soap and water IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water (or shower). 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 / epoxy resin	65-80%
13463-67-7	Titanium dioxide	20-35%
Other components below reportable levels		1 -2%

Section 4 – First Aid Measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Take off contaminated clothing and wash before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed:

Indication of immediate medical attention and special treatment needed: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. May cause redness and pain.

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Section 5 – Fire-Fighting Measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions: Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: No unusual fire or explosion hazards noted.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

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

Occupational exposure limits US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Titanium Dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
US. ACGIH Threshold Limit Values			
Components	Type	Value	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

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Individual protection measures, such as personal protective equipment**Eye/face protection** Wear safety glasses with side shields (or goggles).**Skin protection****Hand protection** Wear appropriate chemical resistant gloves.**Other** Wear appropriate chemical resistant clothing.**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to vapor/mist at levels exceeding the exposure limits.**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Section 9 – Physical and Chemical Properties**Information on basic physical and chemical properties:****Appearance :** Liquid**Odor/Threshold:** slight to none**pH:** No Data**Melting Point/Freezing Point:** N.A.**Partition coefficient:** Not available**Flash Point:** 485.0 °F (251.7 °C) estimated**Evaporation Rate:** No Data**Flammability:** non-flammable**UEL/LEL:** No Data**Vapor Pressure:** No data**Vapor Density (Air=1):** No Data**relative density :** 1.718**Water Solubility:** Insoluble**Auto-ignition temperature:** No Data**Decomposition temperature :** No data**Viscosity:** No Data**% Volatile:** No Data**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 likely routes of exposure****Ingestion** Expected to be a low **ingestion hazard.****Inhalation** Prolonged inhalation may be harmful.**Skin contact** Causes skin irritation. May cause an allergic skin reaction.**Eye contact** Causes serious eye irritation.**Symptoms related to the physical, chemical and toxicological characteristics:** Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Skin irritation. May cause redness and pain. Dermatitis. Rash.**Information on toxicological effects**

Acute toxicity May cause an allergic skin reaction.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization Not available.

Respiratory sensitization Not available.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium Dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not available.

Chronic effects Prolonged inhalation may be harmful.

Section 12 – Ecological Information

Eco-Toxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Titanium Dioxide (CAS 13463-67-7)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) > 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours

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 other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component

Section 13 – Disposal Consideration

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products : Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

SARA 304 Emergency release notification Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous No chemical

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Section 16 – Other Information

Date Prepared: March 18th, 2019

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 CANADIAN Workplace Hazardous Materials Information System (WHMIS) and the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH).