

**SAFETY DATA SHEET (SDS)**
**Section 1. Identification**

<b>Product identifier</b>	ARTCAST Part A
<b>Other means of identification</b>	CRUV11000A
<b>Recommended use and restrictions on use</b>	Art castings and countertops
<b>Initial supplier identifier</b>	Designer Epoxy, 43 Samson Boul, Suite 367, Laval, QC H7X 3R8, (514) 806 1235
<b>Emergency telephone number/restriction on use</b>	Canada – CANUTEC Number 24 hours 613-996-6666

**Section 2. Hazard Identification**
**Classification of hazardous product (name of the category or subcategory of the hazard class)**

Acute toxicity, oral (Category 4)  
 Skin corrosion/irritation (Category 2)  
 Skin sensitization (Category 1)  
 Serious eye damage/eye irritation (Category 2A)  
 Hazardous to the aquatic environment, long-term-hazard (Category 3)

**Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)**

**Warning**

H302 Harmful if swallowed  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H412 Harmful to aquatic life with long lasting effects

**Prevention**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands/nails/face/eyes 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. P273 Avoid release to the environment. P280 Wear gloves/protective clothing/gloves/eye protection/face protection.

**Response**

IF SWALLOWED: P301 + P312 Call a Poison Center/doctor if you feel unwell. P330 Rinse mouth.  
 IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell. P333+P313 If skin irritation or rash occurs: Get medical advice/attention P362 + P364 Take off contaminated clothing and wash it before reuse.  
 IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.  
 IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention.

**Disposal**

P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**Other hazards known** None

**Section 3. Composition/Information on Ingredients**

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)*
Polymère en Bisphénol A / Epichlorohydrine	25068-38-6	> 70 %
2,2'-[1,4-Butanediy]bis(oxymethykene)bis[oxirane]	2425-79-8	< 10 %
Benzyl Alcohol	100-51-6	< 15 %
Trade secret	----	< 10 %

\*Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

**Section 4. First-Aid Measures**

<b>Inhalation</b>	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a doctor. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit.
<b>Skin contact</b>	IF ON SKIN: Wash immediately with soap and plenty of water (20 - 30 minutes). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Discard items which cannot be decontaminated, including

	leather articles such as shoes, belts and watchbands. If symptoms persist, seek medical attention.		
<b>Eye contact</b>	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.		
<b>Most important symptoms and effects (acute or delayed)</b>	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.		
<b>Indication of immediate medical attention/special treatment</b>	In all cases, call a doctor. Do not forget this document.		
<b>Section 5. Fire-Fighting Measures</b>			
<b>Specific hazards of the hazardous product (hazardous combustion products)</b>			
Smoke, fume, oxides of carbon.			
<b>Suitable and unsuitable extinguishing media</b>			
In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), dry chemical, water and alcohol resistant foam.			
<b>Special protective equipment and precautions for fire-fighters</b>			
During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required			
<b>Section 6. Accidental Release Measures</b>			
<b>Personal precautions, protective equipment and emergency procedures</b>			
Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8). Prevent the spill spread into drains, sewers, water supplies, or soil. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.			
<b>Methods and materials for containment and cleaning up</b>			
Avoid prolonged exposure. Stop leak if you can do it without risk. Do not touch or walk through spilled material. Spill should be contained with inert material and disposed into suitable retaining area. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Take precautionary measures against static discharges. Dispose of in accordance with local, provincial and federal regulations.			
<b>Section 7. Handling and Storage</b>			
<b>Precautions for safe handling</b>			
Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands/nails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear gloves/protective clothing/gloves/eye protection/face protection.			
<b>Conditions for safe storage, including any incompatibilities</b>			
Store in a cool, well-ventilated area. Keep container closed when not in use. Do not handle or store near open flames, heat or other sources of ignition. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Storage temperature: 16 - 27 °C.			
<b>Section 8. Exposure Controls/Personal Protection</b>			
<b>Control parameters (biological limit values or exposure limit values and source of those values)</b>			
Exposure limits: ACGIH – TLV-TWA Not available			
<b>Appropriate engineering controls</b>			
Use product in well-ventilated areas. Do not spray the product. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.			
<b>Individual protection measures/personal protective equipment</b>			
Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Safety glasses, chemical resistant. Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe use and handling of this product. Follow all label instructions.			
<b>Section 9. Physical and Chemical Properties</b>			
<b>Appearance, physical state/colour</b>	Liquid	<b>Vapour pressure</b>	Not available
<b>Odour</b>	Faint odor	<b>Vapour density</b>	Not available
<b>Odour threshold</b>	Not available	<b>Relative density</b>	Not available
<b>pH</b>	Not available	<b>Solubility</b>	Not soluble
<b>Melting/freezing point</b>	Not available	<b>Partition coefficient - n-octanol/water</b>	Not available
<b>Initial boiling point/range</b>	Not available	<b>Auto-ignition temperature</b>	Not available
<b>Flash point</b>	> 100 °C	<b>Decomposition temperature</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Viscosity</b>	Not available
<b>Flammability (solids and gases)</b>	Not available	<b>VOC</b>	Not available
<b>Upper and lower flammability/explosive limits</b>	Not available	<b>Other</b>	None known

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	
Stable under normal conditions.	
<b>Chemical stability</b>	
Yes, Stable under the recommended storage and handling conditions prescribed.	
<b>Possibility of hazardous reactions</b>	
Non under normal conditions of storage and use.	
<b>Conditions to avoid (static discharge, shock or vibration)</b>	
Excess heat.	
<b>Incompatible materials</b>	
Acids, bases, amines, oxidizing agents.	
<b>Hazardous decomposition products</b>	
Chloro hydrogen, carbon oxides.	
<b>Section 11. Toxicological Information</b>	
<b>Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)</b>	
Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.	
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	
Skin irritation with local redness.	
<b>Delayed and immediate effects (chronic effects from short-term and long-term exposure)</b>	
Skin Sensitization – May cause allergic skin reaction. Skin disorders and Allergies. Respiratory Sensitization – No data available; Germ Cell Mutagenicity – Animal genetic toxicity studies were negative; Carcinogenicity – , the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEPPA is not classified as a carcinogen; Reproductive Toxicity – In animal studies, did not interfere with reproduction; Specific Target Organ Toxicity — Single Exposure – Evaluation of available data suggests that this material is not an STOT-SE toxicant; Specific Target Organ Toxicity — Repeated Exposure – Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects; Aspiration Hazard – Based on physical properties, not likely to be an aspiration hazard; Health Hazards Not Otherwise Classified – No data available.	
<b>Numerical measures of toxicity (ATE; LD<sub>50</sub> &amp; LC<sub>50</sub>)</b>	
CAS 25068-38-6 LD <sub>50</sub> Oral - Rat - > 15,000 mg/kg; LD <sub>50</sub> Dermal – Rabbit – 23,000 mg/kg; LC <sub>50</sub> Inhalation – has not been determined; CAS 2425-79-8 LD <sub>50</sub> Oral - Rat 1134 mg/kg; LD <sub>50</sub> Dermal – Rabbit – 1130 mg/kg; LC <sub>50</sub> Inhalation – Not available; ATE not available in this document.	
<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity (aquatic and terrestrial information)</b>	
<b>Toxicity to fish</b> CAS: 25068-38-6 LC <sub>50</sub> : 1 – 10 mg/l (in the most sensitive species tested)/ LC <sub>50</sub> 2 mg/l (Oncorhynchus mykiss (rainbow trout), semi-static test, 96 Hour ; CAS: 2425-79-8 LC <sub>50</sub> : 24 mg/l (Danjo rerio) 96 Hour <b>Toxicity to Aquatic Invertebrates:</b> CAS: 25068-38-6 EC <sub>50</sub> : 1.8 mg/l (Water flea (Daphnia magna) 48h) ; CAS: 2425-79-8 EC <sub>50</sub> : 75 mg/l (Daphnia magna) 48h <b>Toxicity to Aquatic Plants:</b> CAS: 25068-38-6 EC <sub>50</sub> : 11 mg/l (Fresh water algae (Scenedesmus capricornutum) static test, 72h); <b>Toxicity to Bacteria</b> CAS: 25068-38-6 IC <sub>50</sub> : >42.6 mg/l, (Respiration rates, 18h).	
<b>Persistence and degradability</b>	CAS: 25068-38-6 12%, not easily biodegradable; CAS: 2425-79-8 Not readily biodegradable.
<b>Bioaccumulative potential</b>	CAS: 25068-38-6 Bio-concentration potential is moderate; CAS: 2425-79-8 Bioaccumulation is unlikely low Pow -1.33.
<b>Mobility in soil</b>	CAS: 25068-38-6 Potential for mobility in soil is low; CAS: 2425-79-8 The product is water soluble and may spread in water systems. It will likely be mobile in the environment due to its water solubility. . Highly mobile in soils.
<b>Other adverse effects</b>	Harmful to aquatic life with long lasting effects.
<b>Section 13. Disposal considerations</b>	
<b>Information on safe handling for disposal/methods of disposal/contaminated packaging</b>	
Dispose of contents/container into safe container in accordance with local, regional or national regulations.	
<b>Section 14. Transport Information</b>	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations</b>	
Not regulated.	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)</b>	
Not regulated.	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)</b>	
Not regulated.	
<b>Special precautions (transport/conveyance)</b>	None
<b>Environmental hazards (IMDG or other)</b>	None

<b>Bulk transport (usually more than 450 L in capacity)</b>	None
<b>Section 15. Regulatory Information</b>	
<b>Safety/health Canadian regulations specifics</b>	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
<b>Environmental Canadian regulations specifics</b>	Refer to Section 3 for ingredient(s) of the DSL
<b>Safety/health/environmental outside regulations specifics</b>	
United States OSHA information: This product is regulated according to OSHA (29 CFR).	
United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.	
United States TCSA information: Refer to the ingredients listed in Section 3.	
<b>Section 16. Other Information</b>	
<b>Date of the latest revision of the safety data sheet</b>	February 04, 2018 - version 01
<b>References</b>	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu
<b>Abbreviations</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System
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