

SAFETY DATA SHEET (SDS)
Section 1. Identification

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| Product identifier | ARTCAST Part B |
| Other means of identification | CRUV11B |
| Recommended use and restrictions on use | Art castings and countertops |
| Initial supplier identifier | Designer Epoxy, 43 Samson Boul, Suite 367, Laval, QC H7X 3R8, (514) 806 1235 |
| Emergency telephone number/restriction on use | 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 and dermal toxicity (Category 4)
 Skin corrosion/irritation (Category 1C)
 Skin sensitization (Category 1)
 Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3)
 Hazardous to the aquatic environment, acute hazard (Category 3)
 Hazardous to the aquatic environment, long-term-hazard (Category 2)

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

Warning

H302 + H312 Harmful if swallowed, in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation
 H402 Harmful to aquatic life
 H411 Harmful to aquatic life with long lasting effects.

Prevention

P260 + P261 Do not/avoid breath dust/fume/gas/mist/vapours/spry. P264 Wash hands/nails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well ventilated area 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. P331 Do NOT induce vomiting.
 IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell. P303+P361+P353 If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water (or shower). 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. P310 Immediately call a POISON CENTER
 IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER.
 ENVIRONMENT: P391 Collect spillage

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed P235 Keep cool P405 Stored locked up

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 (%)* |
|--|---------------------|--------------------|
| Polyetheramine | 9046-10-0 | 10 - 30 % |
| Isophorone Diamine | 2855-13-2 | 15 - 40 % |
| Benzyl alcohol | 100-51-6 | 10 - 20 % |
| Polymère en Bisphénol A / Epichlorohydrine | 25068-38-6 | 10 – 25 % |
| Dimethyldicyan | 6864-37-5 | 10 – 30 % |

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

Section 4. First-Aid Measures

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| Inhalation | IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention. |
| Ingestion | IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit. Never give anything by mouth to an unconscious |

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| | person. Rinse mouth thoroughly with water. | | |
| Skin contact | IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If skin irritation occurs: Get medical attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. If symptoms persist, seek medical attention. | | |
| Eye contact | 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. | | |
| Most important symptoms and effects (acute or delayed) | Harmful if swallowed and in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. | | |
| Indication of immediate medical attention/special treatment | In all cases, call a doctor. Do not forget this document. | | |
| Section 5. Fire-Fighting Measures | | | |
| Specific hazards of the hazardous product (hazardous combustion products) | | | |
| Smoke, fume, oxides of carbon and nitrogen. | | | |
| Suitable and unsuitable extinguishing media | | | |
| In case of fire: Use Carbon dioxide (CO ₂), dry chemical and alcohol resistant foam. | | | |
| Special protective equipment and precautions for fire-fighters | | | |
| 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 | | | |
| Section 6. Accidental Release Measures | | | |
| Personal precautions, protective equipment and emergency procedures | | | |
| 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. Removal of 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. | | | |
| Methods and materials for containment and cleaning up | | | |
| Avoid prolonged exposure. Stop leak if you can do it without risk. Spill should be contained with inert material and disposed into suitable retaining area. Do not touch or walk through spilled material. 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. | | | |
| Section 7. Handling and Storage | | | |
| Precautions for safe handling | | | |
| Do not/avoid breath dust/fume/gas/mist/vapours/spry. Wash hands/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. 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. | | | |
| Conditions for safe storage, including any incompatibilities | | | |
| 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. | | | |
| Section 8. Exposure Controls/Personal Protection | | | |
| Control parameters (biological limit values or exposure limit values and source of those values) | | | |
| Exposure limits: ACGIH – TLV-TWA Not available. | | | |
| Appropriate engineering controls | | | |
| 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. | | | |
| Individual protection measures/personal protective equipment | | | |
| 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. | | | |
| Section 9. Physical and Chemical Properties | | | |
| Appearance, physical state/colour | Liquid | Vapour pressure | < 5hPa (50°C) |
| Odour | Amine | Vapour density | Not available |
| Odour threshold | Not available | Relative density | Not available |
| pH | 8 – 11 | Solubility | Soluble |
| Melting/freezing point | Not available | Partition coefficient - n-octanol/water | Not available |
| Initial boiling point/range | Not available | Auto-ignition temperature | Not available |

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| Flash point | > 100 °C | Decomposition temperature | Not available |
| Evaporation rate | Not available | Viscosity | Not available |
| Flammability (solids and gases) | Not available | VOC | Not available |
| Upper and lower flammability/explosive limits | Not available | Other | None known |
| Section 10. Stability and Reactivity | | | |
| Reactivity | | | |
| Stable under normal conditions. | | | |
| Chemical stability | | | |
| Yes, Stable under the recommended storage and handling conditions prescribed. | | | |
| Possibility of hazardous reactions | | | |
| Non under normal conditions of storage and use. | | | |
| Conditions to avoid (static discharge, shock or vibration) | | | |
| Excess heat. | | | |
| Incompatible materials | | | |
| Avoid contact with oxidizing materials, acids, acrylates, metals, nitrites, ketones, hydrocarbons, aldehydes, alcohol. | | | |
| Hazardous decomposition products | | | |
| Ammonia, amines, aromatic compounds, hydrocarbons, phenolics. | | | |
| Section 11. Toxicological Information | | | |
| Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact) | | | |
| Harmful if swallowed and in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. | | | |
| Symptoms related to the physical, chemical and toxicological characteristics | | | |
| Corrosive, may cause skin burns. | | | |
| Delayed and immediate effects (chronic effects from short-term and long-term exposure) | | | |
| Skin Sensitization – May cause allergic skin reaction. May cause skin irritation if contact frequently. Respiratory Sensitization – No data available; Germ Cell Mutagenicity – Not available; Carcinogenicity – No ingredient listed in IARC; Reproductive Toxicity – Not available; Specific Target Organ Toxicity — Single Exposure – No information found; Specific Target Organ Toxicity — Repeated Exposure – No information found; Aspiration Hazard – No information found; Health Hazards Not Otherwise Classified – No data available. | | | |
| Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀) | | | |
| CAS 9046-10-0 LD ₅₀ Oral - Rat 242 mg/kg; LD ₅₀ Dermal Not available; LC ₅₀ Inhalation Not available; CAS 2855-13-2 LD ₅₀ Oral - Rat 1030 mg/kg; LD ₅₀ Dermal Not available; LC ₅₀ Inhalation Not available; CAS 100-51-6 LD ₅₀ Oral - Rat 1230 mg/kg; LD ₅₀ Dermal Not available; LC ₅₀ Inhalation Not available; ATE not available in this document. | | | |
| Section 12. Ecological Information | | | |
| Ecotoxicity (aquatic and terrestrial information) | | | |
| Fish toxicity CAS:9046-10-0: LC ₅₀ : 772.14 mg/L (Fish, 96h); Toxicity to Aquatic Invertebrates: CAS:2855-13-2 - EC ₅₀ : 17.4 mg/l (Water flea 48h); CAS: 100-51-6 EC ₅₀ : 55 mg/l (Water flea 24h); CAS: 9046-10-0 EC ₅₀ : 80 mg/l (Daphnia ap. Acute) 48h) | | | |
| Persistence and degradability | CAS: 2855-13-2 No information found; CAS:9046-10-0 Not biodegradable | | |
| Bioaccumulative potential | No information found | | |
| Mobility in soil | No data available | | |
| Other adverse effects | Harmful to aquatic life. Harmful to aquatic life with long lasting effects | | |
| Section 13. Disposal Considerations | | | |
| Information on safe handling for disposal/methods of disposal/contaminated packaging | | | |
| Dispose of contents/container into safe container in accordance with local, regional or national regulations. | | | |
| Section 14. Transport Information | | | |
| UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations | | | |
| UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glycol) bis(2-aminopropyl éther); Isophorone diamine); HAZARD CLASS: 8; PACKING GROUP: III | | | |
| UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime) | | | |
| UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glycol) bis(2-aminopropyl éther); Isophorone diamine); HAZARD CLASS: 8; PACKING GROUP: III s. | | | |
| UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air) | | | |
| UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glycol) bis(2-aminopropyl éther); Isophorone diamine); HAZARD CLASS: 8; PACKING GROUP: III | | | |
| Special precautions (transport/conveyance) | May also be shipped as a LIMITED QUANTITY in accordance with TDG. | | |

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| Environmental hazards (IMDG or other) | Marine pollutant |
| Bulk transport (usually more than 450 L in capacity) | Possible |
| Section 15. Regulatory Information | |
| Safety/health Canadian regulations specifics | This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR). |
| Environmental Canadian regulations specifics | Refer to Section 3 for ingredient(s) of the DSL |
| Safety/health/environmental outside regulations specifics | |
| 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. | |
| Section 16. Other Information | |
| Date of the latest revision of the safety data sheet | November 27, 2018 - version 02 |
| References | Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu |
| Abbreviations | |
| 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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