ADVANCED RESINS

DESIGNER METALLIC EPOXY

Expert Grade Metallic Epoxy System – Low Viscosity

Part B

SAFETY DATA SHEET

Section 1. Identification	
Product identifier	Designer Metallic Epoxy - Part B
Other means of identification	Designer Metallic Epoxy
Recommended use and restrictions on use	Floor coating
Supplier informations	11530 Chairman Dr, Dallas, TX 75243 927.293.4444 contact@advancedresins.com
Emergency telephone number/restriction on use	Canada – CANUTEC 24-hour number 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)
Acute toxicity dermal (Category 4)
Skin corrosion (Category 1)
Serious eye damage (Category 1)
Skin sensitization (Category 1)
Specific target organ toxicity – Single exposure (Category 3)
Reproductive toxicity (Category 2)
Specific target organ toxicity - repeated exposure (Category 2)
Hazardous to the aquatic environment – Acute (Category 2)
Hazardous to the aquatic environment – Chronic (Category 2)

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

Danger

H302 Harmful if swallowed
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects
P201 Obtain special instructions before use. **P260** Do not breathe dusts or mists. **P264** Wash hands/nails/face thoroughly after handling. **P264** Wash hands/nails/face 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 protective gloves/ protective clothing/ eye protection/ face protection. **P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. **P312** Call a doctor if you feel unwell. **P303 + P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. **P363** Wash contaminated clothing before reuse. **P332 + P313** IF SKIN irritation or rash occurs: Get medical attention. **P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing. **P310** Immediately call a doctor. **P308 + P313** IF exposed or concerned: Get medical attention. **P391** Collect spillage. **P403 + P233** Store in a well-ventilated place. Keep container tightly closed. **P405** Store locked up. **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 (%)**
Isophorone diamine	2855-13-2	10-30
Benzyl alcohol	100-51-6	1-10
Polyoxypropylene diamine	9046-10-0	30-50
* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) by weight (except for gases/propellants by volume) considered trade secret(s).		

Section 4. First-aid measures	
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Ingestion	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Skin contact	IF ON SKIN: wash with plenty of water (15-20 minutes). IF SKIN irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Most important symptoms and effects (acute and delayed)	Causes severe skin, respiratory or digestive tract burns and eye damage.
Indication of immediate medical attention/ special treatment	In all cases, call a doctor. Also consider the other instructions of present document section.

Section 5. Fire-fighting measures
Specific hazards of the hazardous product (hazardous combustion products)
Carbon oxides and other irritant/toxic gases and fumes.
Suitable and unsuitable extinguishing media
In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.
Special protective equipment and precautions for fire-fighters
During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6. Accidental release measures
Personal precautions, protective equipment and emergency procedures
Absorb spillage to prevent material-damage. Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).
Methods and materials for containment and cleaning up
Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Section 7. Handling and storage

Precautions for safe handling

Wear protective gloves/ protective clothing/ eye protection/ face protection.
Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. 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.

Section 8. Exposure controls/Personal protection

Control Parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: None known

Appropriate engineering controls

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Individual protection measures/personal protective equipment

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. 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.

Section 9. Physical and chemical properties

Appearance / color	Yellow liquid	**Vapour pressure**	Not available
Odour	Characteristic	**Vapour density**	Not available
Odour threshold	Not available	**Relative density**	Not available
pH	Not available (alkaline)	**Solubility**	Partial
Melting point / Freezing point	Not available	**Partition coefficient of n-octanol/ water**	Not available
Initial boiling point/ranges	> 401ºF (205ºC)	**Auto-ignition temperature**	Not available
Flash point	> 249.8 F (121ºC)	**Decomposition temperature**	Not available
Evaporation rate	Not available	**Viscosity**	40-100 cps
Flammability (solid, gas)	Not available	**VOC**	Not available
Upper/Lower flammability or explosive limits	Not available	**Other**	None know

Section 10. Stability and reactivity

Reactivity	Does not react under the recommended storage and handling conditions prescribed.
Stability	Material is stable at standard temperature and pressure.
Conditions to avoid	None known
Hazardous reactions/polymerization	None known
Incompatible materials	Oxidizing materials; Acids; etc.
Hazardous decomposition products	None known

Section 11. Toxicological information	
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
Symptoms related to the physical, chemical and toxicological characteristics	Skin burn, redness, stinging, pain; Eye burn, redness, tearing; Digestive tract burn; Respiratory tract burn, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches.
Germ cell mutagenicity	Not available
Reproductive toxicity	Not available
Delayed and immediate effects (chronic effects from short-term and long-term exposure)	Skin Sensitization – Possible; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – Possible; Specific Target Organ Toxicity — Single Exposure – Possible; Specific Target Organ Toxicity — Repeated Exposure – Possible; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.
Aspiration hazard	Not available
Numerical measures of toxicity (ATE; LD50 & LC50)	CAS 100-51-6 LD50 Oral - Rat – 1230 mg/kg; CAS 9046-10-0 LD50 Oral - Rat - 242 mg/kg; LD50 Dermal - Rabbit – 360 mg/kg; ATE not available in this document.
Section 12. Ecological information	
Ecotoxicity (aquatic and terrestrial information)	Toxic to aquatic life with long lasting effects.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	Toxic to aquatic life. Toxic 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	UN2735; AMINES, LIQUID, CORROSIVE, N.O.S.; or POLYAMINES, LIQUID, CORROSIVE, N.O.S.; CLASS 8; PG II
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	UN2735; AMINES, LIQUID, CORROSIVE, N.O.S.; or POLYAMINES, LIQUID, CORROSIVE, N.O.S.; CLASS 8; PG II
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	UN2735; AMINES, LIQUID, CORROSIVE, N.O.S.; or POLYAMINES, LIQUID, CORROSIVE, N.O.S.; CLASS 8; PG II
Special Precautions (transport/conveyance)	May also be shipped as a LIMITED QUANTITY in accordance with TDG.
Environmental hazards (IMDG or other)	Marine Pollutant
Bulk transport (usually more than 450L in capacity)	Possible

Section 15. Regulatory information	
Safety/health Canadian regulations specifics	Refer to Section 2 for the appropriate classification. 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 **Bioaccumulative potential**	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.
National Fire Protection Association (NFPA)	HEALTH: 3 FLAMMABILITY: 1 INSTABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3. HAZARD SCALE: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
Section 16. Other information	
Date of the latest revision of the safety data sheet	November 28, 2023 version 001
Corrections	Complete review
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Other information	As per GHS, category 1 is the greatest level of hazard within each class.
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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