

SAFETY DATA SHEET

Superclear Designer Art Resin

Revision Date: 2-13-26

Version Number: 1.0



1. IDENTIFICATION

Product Identifier: Superclear Designer Art Resin

SKU's: 143322, 143321, 143320, 143319

ASINs: B0BLCKG83B, B0BLCWKRLV, B0BLCY4J41, B0BLCZD3NT

Other Means of Identification:

Synonyms: Epoxy Resin, A-side

Recommended Use: Paints, coatings, adhesives, composite and electronic devices

Supplier Information:

Company Name: Fiberglass Coatings, LLC

Address: 4301A 34th Street North

St. Pete, FL 33714

Telephone: (800) 272-7890

Email: info@fiberglasscoatings.com

Emergency Telephone Number:

Velocity EHS 1-800-255-3924

Contract: MIS0002440

Hours of Operation: 24/7

2. HAZARD(S) IDENTIFICATION

GHS Classification

Health Hazards:

Acute Toxicity (Oral): Category 4

Acute Toxicity (Dermal): Category 4

Acute Toxicity (Inhalation - vapor): Category 4

Acute Toxicity (Inhalation - dust and mist): Category 4

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Eye Irritation: Category 1

Skin Sensitization: Category 1

Reproductive Toxicity: Category 1B

Environmental Hazards:

Hazardous to the Aquatic Environment (Chronic): Category 2

Hazards Not Otherwise Classified (HNOC): None

Label Elements



Hazard Symbols:

GHS07 - Exclamation Mark (Skin irritation, Skin sensitization, Harmful acute toxicity)

GHS05 - Corrosion (Serious eye damage)

GHS08 - Health Hazard (Reproductive toxicity)

GHS09 - Environment (Aquatic toxicity - chronic)

Signal Word: Danger

Hazard Statements:

- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H332 Harmful if inhaled
- H361 Suspected of damaging fertility
- H411 Toxic to aquatic life with long lasting effects

Precautionary Statements:

Prevention:

- **P201** Obtain special instructions before use
- **P202** Do not handle until all safety precautions have been read and understood
- **P261** Avoid breathing dust/fume/gas/mist/vapors/spray
- **P264** Wash hands 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

Response:

- **P301+P312** IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell
- **P302+P352** IF ON SKIN: Wash with plenty of soap and water
- **P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing
- **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- **P310** Immediately call a POISON CENTER/doctor
- **P333+P313** If skin irritation or rash occurs: Get medical advice/attention
- **P337+P313** If eye irritation persists: Get medical advice/attention
- **P362+P364** Take off contaminated clothing and wash before reuse
- **P391** Collect spillage

Storage:

- P405 Store locked up

Disposal:

- P501 Dispose of contents/container in accordance with local, regional, national and international regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration (%)
Bisphenol A diglycidyl ether (BADGE)	1675-54-3	80 - 95
Formaldehyde polymer with (chloromethyl)oxirane and phenol	9003-36-5	1 - 10
1,4-Bis(2,3-epoxypropoxy)butane	2425-79-8	1 - 10
Trade secret components	Trade secret	≤ 5

Composition Comments: The exact percentages are proprietary. All concentrations are percent by weight.

4. FIRST-AID MEASURES

Description of First Aid Measures

General Information: Seek medical advice if symptoms persist. If breathing is irregular or stopped, administer artificial respiration. In case of cardiac arrest, begin cardiopulmonary resuscitation (CPR) immediately.

Inhalation: Move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Skin Contact: Immediately remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Wash contaminated clothing thoroughly before reuse. Application of corticosteroid cream may be effective in treating skin irritation. Get medical attention if irritation develops or persists.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor as serious eye damage can occur.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless directed by medical personnel. If person vomits when lying on back, place in recovery position. Get medical attention immediately.

Most Important Symptoms/Effects

Acute: Causes serious eye damage. Causes skin irritation. May cause allergic skin reaction. Harmful if swallowed, inhaled, or absorbed through skin. May damage fertility.

Delayed: Skin sensitization may develop with repeated exposure. Reproductive effects may occur with chronic exposure.

Indication of Immediate Medical Attention and Special Treatment Needed

Treatment: Treat symptomatically. For eye contact, immediate medical attention is required due to potential for serious eye damage. For skin sensitization reactions, corticosteroid treatment may be necessary.

5. FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media

Suitable Extinguishing Media: Alcohol resistant foam, carbon dioxide (CO₂), dry chemical, water spray (fog), regular foam

Unsuitable Extinguishing Media: Do not use water jet as extinguisher, as this will spread the fire

Special Hazards Arising from the Substance or Mixture

Specific Hazards: Combustible liquid. Incomplete combustion may form carbon monoxide. Burning produces noxious and toxic fumes including irritating vapors, corrosive fumes, and toxic gases. Fire may produce dense black smoke containing hazardous combustion products. Downwind personnel must be evacuated. Containers may explode when heated.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, irritating vapors, toxic fumes, corrosive gases

Special Protective Equipment and Precautions for Firefighters

Special Fire Fighting Procedures: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Move containers from fire area if it can be done without risk. Cool containers with water spray until well after fire is out. Do not approach tanks engulfed in fire. Stay upwind and keep out of low areas.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus (SCBA) and full protective gear. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear appropriate personal protective equipment (see Section 8). Do not touch or walk through spilled material. Ensure adequate ventilation. Avoid contact with skin and eyes. Keep unauthorized personnel away. Remove all sources of ignition. Must work against the wind; evacuate downwind personnel.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter soil, waterways, or waste water canals. Construct dike to prevent spreading. If large amounts have been spilled, inform the relevant authorities.

Methods and Materials for Containment and Cleaning Up

Small Spills: Absorb spills with inert material (e.g., dry sand or earth), then place in a chemical waste container. Scrub the area with detergent and water.

Large Spills: Dike far ahead of liquid spill for later disposal. Stay upwind and keep out of low areas. Ventilate area. Approach suspected leak areas with caution. Absorb the liquid with sand or other non-combustible absorbent material and place into containers for later disposal. Collect spillage in appropriate containers.

Call Emergency Response number for advice. Notify central and local government if emission reaches reportable threshold.

7. HANDLING AND STORAGE

Handling

Technical Measures: Use only with adequate ventilation. Ensure good ventilation/exhaust at the workplace.

Safe Handling Advice:

Assumes a good basic standard of occupational hygiene is implemented. Control staff entry to working area. Provide training for staff on good practice. Wash at the end of each work shift and before eating, smoking, and using the toilet. Keep private clothes and working clothes separately. Regular cleaning of equipment, work area, and clothing is required. Ensure procedures and training for emergency decontamination and

disposal are in place. Supervision should verify that risk management measures are being used correctly and operational conditions are followed.

Use only with adequate ventilation. Avoid inhalation of vapors/spray and contact with skin and eyes. Wear appropriate respiratory protection during spray applications (aerosol formation). Control potential exposure using measures such as contained or enclosed systems, properly designed and maintained facilities, and good general ventilation.

Drain down systems and clear transfer lines prior to breaking containment. Drain down and flush equipment where possible prior to maintenance. Ensure relevant staff are informed of exposure risks and aware of basic actions to minimize exposures. Ensure suitable personal protective equipment is available. Clear up spills and dispose of waste in accordance with regulatory requirements. Monitor effectiveness of control measures. Consider need for health surveillance. Identify and implement corrective actions.

Keep away from sources of ignition - No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood.

Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use. Provide readily accessible eye wash stations and safety showers.

Storage

Safe Storage Conditions: Keep containers tightly closed in a dry, cool, and well-ventilated place. Store locked up. Keep away from heat, sparks, open flames, and hot surfaces - No smoking. Avoid direct sunlight. Check regularly for leaks. Do not apply physical shock to containers. Do not apply direct heat. Do not use damaged containers.

Safe Packaging Materials: Use original or approved containers only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

No established OSHA PEL or ACGIH TLV

Engineering Controls

- Use adequate ventilation to maintain low airborne concentrations
- Provide general and/or local exhaust ventilation
- Provide emergency eye wash station and safety shower in work area

Individual Protection Measures

Respiratory Protection:

- Under normal conditions of use with adequate ventilation, respiratory protection is not required. In poorly ventilated areas, or during large spills, use a NIOSH-approved respirator with organic vapor cartridge.

Eye Protection:

- Wear splash-resistant safety goggles
- Provide emergency eye wash station in immediate work area
- Face shield recommended when splash potential exists

Hand Protection:

- Wear chemical-resistant gloves

Skin Protection:

- Wear appropriate protective clothing to prevent skin contact
- Chemical-resistant apron recommended
- Long sleeves and pants recommended

Other Protection:

- Eyewash station and safety shower should be available

General Hygiene Measures

- Wash hands thoroughly after handling
 - Do not eat, drink, or smoke when using this product
 - Remove contaminated clothing and wash before reuse
 - Handle in accordance with good industrial hygiene and safety practices
-

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on Basic Physical and Chemical Properties****Appearance:**

- Physical State: Liquid
- Form: Viscous liquid
- Color: Pale yellow to light brown

Odor: Mild irritating odor to low irritating odor

Odor Threshold: Not available

pH: 6 - 8 (neat)

Melting Point/Freezing Point: Approximately -16°C to -20°C

Initial Boiling Point/Boiling Range: >200°C

Flash Point: 230 - 254°C (Closed Cup)

Evaporation Rate: Not available (slower than water)

Flammability (solid, gas): Not applicable (liquid)

Upper/Lower Flammability or Explosive Limits: Not available

Vapor Pressure: <1 mmHg at 25°C

Vapor Density: >1 (Air = 1)

Relative Density: 1.16 - 1.18 g/cm³ at 25°C

Solubility:

- Water: Insoluble to slightly soluble
- Other: Soluble in acetone, methyl ethyl ketone, toluene; Insoluble in alcohol

Partition Coefficient (n-octanol/water): Log Kow = 3.2 - 3.8

Auto-ignition Temperature: Not available

Decomposition Temperature: Not available (no decomposition in field of application)

Viscosity: 2,000 - 13,500 cP at 25°C

Molecular Weight: 340 - 400 (average)

Other Information

Explosive Properties: Not explosive

Oxidizing Properties: Not oxidizing

Self-Ignition: Not pyrophoric. Not self-heating.

Evaporation Rate: Not available

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use. See "Possibility of Hazardous Reactions."

Chemical Stability

Stable under normal storage and handling conditions. No decomposition if stored and applied as directed.

Possibility of Hazardous Reactions

No hazardous polymerization. Hazardous polymerization will not occur. May react with strong oxidizing agents, strong acids, and strong bases.

Conditions to Avoid

Heat, flames, sparks, and other sources of ignition. Accumulation of electrostatic charges. Avoid contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents, strong acids, strong bases, amines, alcohols, mercaptans. Reacts with polyamines and polyamides (curing agents).

Hazardous Decomposition Products

Carbon monoxide (CO), carbon dioxide (CO₂), irritating vapors, toxic fumes, corrosive gases when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation: Harmful if inhaled. May cause irritation to respiratory tract. Prolonged inhalation may cause adverse effects.

Skin Contact: Harmful in contact with skin. Causes skin irritation. May cause allergic skin reaction (sensitization).

Eye Contact: Causes serious eye damage. Can cause permanent damage to eyes.

Ingestion: Harmful if swallowed.

Symptoms Related to Physical, Chemical, and Toxicological Characteristics

Inhalation: Irritation of nose, throat, and respiratory tract. Coughing. Difficulty breathing.

Skin Contact: Redness, irritation, dermatitis. Allergic skin reaction in sensitized individuals.

Eye Contact: Severe pain, tearing, redness, swelling, blurred vision. Potential for permanent eye damage.

Ingestion: Nausea, vomiting, abdominal pain. May cause gastrointestinal irritation.

Acute Toxicity

Oral:

- Product (calculated): LD₅₀ >5,000 mg/kg (rat)
- Based on mixture components

Dermal:

- Product (calculated): LD₅₀ >2,000 mg/kg (rabbit)
- Based on mixture components

Inhalation:

- Product (calculated): LC₅₀ >5 mg/L (4 hours, vapor)

- Based on mixture components

Skin Corrosion/Irritation

Causes skin irritation (Category 2). Components are known skin irritants.

Serious Eye Damage/Eye Irritation

Causes serious eye damage (Category 1). Corrosive to eyes. May cause permanent damage.

Respiratory or Skin Sensitization

Respiratory Sensitization: Not classified based on available data.

Skin Sensitization: May cause an allergic skin reaction (Category 1). Contains known skin sensitizers (epoxy resins). Sensitization can develop with repeated exposure.

Germ Cell Mutagenicity

Not classified based on available data. However, components show mutagenic activity in vitro. In vivo mammalian tests are negative.

Carcinogenicity

Not classified as carcinogenic.

IARC: Group 3 (not classifiable) for BADGE

ACGIH: Not listed

NTP: Not listed

OSHA: Not listed

Reproductive Toxicity

May damage fertility (Category 1B). Based on Epodil 750 component which is classified as toxic to reproduction.

Specific Target Organ Toxicity - Single Exposure

Not classified based on available data.

Specific Target Organ Toxicity - Repeated Exposure

Not classified based on available data.

Aspiration Hazard

Not classified. Not expected to present an aspiration hazard based on physical properties.

12. ECOLOGICAL INFORMATION**Ecotoxicity****Acute Aquatic Toxicity:**

Fish:

- LC50 (96h): 1.5 - 19.8 mg/L (based on components)
- Toxic to aquatic organisms

Aquatic Invertebrates:

- EC50 (48h, Daphnia magna): 1.6 - 75 mg/L (based on components)

Algae:

- EC50 (72h): 1.8 - >160 mg/L (based on components)
- NOEC: 4.2 - 40 mg/L (based on components)

Chronic Aquatic Toxicity:

- Toxic to aquatic life with long lasting effects (Category 2)
- NOEC (21-day Daphnia): 0.3 - 8.93 mg/L

Persistence and Degradability

Biodegradation: Not readily biodegradable. Components show 0 - 43% biodegradation in 28 days (OECD methods). Expected to persist in the environment.

BOD/COD Ratio: Not available

Bioaccumulative Potential

Bioconcentration Factor (BCF): 31 - 500 (estimated based on components)

Partition Coefficient (log Kow): 3.2 - 3.8

Low to moderate bioaccumulation potential expected.

Mobility in Soil

High potency of mobility to soil. Log Koc = 4460 (estimated for BADGE component). Expected to adsorb strongly to soil and sediment.

Results of PBT and vPvB Assessment

Not classified as PBT or vPvB.

Other Adverse Effects

Do not allow product to reach groundwater, water bodies, or sewage system. Toxic to aquatic life with long lasting effects. May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose of waste in accordance with all applicable federal, state, and local regulations. Material should be incinerated in an approved facility capable of handling epoxy resins. Oil-water separation technology may be applied as pre-treatment if applicable. Stabilization and minimization treatment by incineration or similar methods can be applied. Do not discharge into drains or the environment.

Special Precautions for Disposal

Anyone who generates industrial waste shall treat the waste by themselves or by entrusting to legal entities who treat waste, recycle waste, or install and operate waste treatment facilities according to applicable regulations. Contact supplier if guidance is required. Discharge, treatment, or disposal may be subject to national, state, or local laws. Empty containers retain product residue. Observe all label precautions until container is cleaned, reconditioned, or destroyed.

Waste Codes: Consult local, state, or federal authorities for proper waste classification and disposal.

14. TRANSPORT INFORMATION

Domestic Regulation (DOT)

UN Number: Not regulated as a hazardous material under DOT

Proper Shipping Name: Not regulated

Hazard Class: Not applicable

Packing Group: Not applicable

Remarks: Not dangerous according to transport regulations for domestic shipment

International Regulations

IMDG (Marine Transport):

- UN Number: 3082 (if shipped in bulk or certain quantities)
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains epoxy resins)
- Hazard Class: 9
- Packing Group: III
- Marine Pollutant: Yes
- EmS: F-A, S-F

IATA (Air Transport):

- UN Number: 3082 (if applicable)
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains epoxy resins)
- Hazard Class: 9

- Packing Group: III

Special Precautions for User

Package and transport in accordance with all applicable regulations. Ensure containers are properly labeled and sealed. Do not transport with food or feed. Follow all DOT and international shipping requirements when applicable.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. REGULATORY INFORMATION**US Federal Regulations**

TSCA Status: All components are listed on the TSCA Inventory or are exempt

TSCA Section 12(b) Export Notification: None of the components are listed

TSCA Section 5(a)(2) Significant New Use Rules (SNURs): None of the components are subject to SNURs

CERCLA Hazardous Substance (40 CFR 302.4): Reportable quantity not reasonably exceeded

SARA Title III (EPCRA):

Section 302 - Extremely Hazardous Substances: Not listed

Section 304 - Hazardous Substance Release: Reportable quantity not reasonably exceeded

Section 311/312 - Hazard Categories:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Reproductive toxicity
- Hazardous to the aquatic environment (chronic)

Section 313 - Toxic Chemical Release Inventory: None of the components at concentrations requiring reporting

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention: Not listed

Clean Water Act Section 311 Hazardous Substances: Not listed

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not regulated

US State Regulations

California Proposition 65:

⚠ WARNING: This product can expose you to chemicals including Oxirane, (chloromethyl)- which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

International Inventories

Inventory	Status
US TSCA	All components listed or exempt
Canada DSL	All components listed
Korea KECI	All components listed (KE-17106, KE-03162)
EU REACH	Compliant
Australia AICS	All components listed
Japan ENCS	All components listed
China IECSC	All components listed
Philippines PICCS	All components listed
New Zealand NZIoC	All components listed

Other Regulations

Stockholm Convention: Not listed

Rotterdam Convention: Not listed

Montreal Protocol: Not listed

16. OTHER INFORMATION

Issue Date

02-13-2026

Revision Date

02-13-2026

Version

01

List of Abbreviations

ACGIH - American Conference of Governmental Industrial Hygienists; AICS - Australian Inventory of Industrial Chemicals; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations; DOT - Department of

Transportation; DSL - Domestic Substances List (Canada); EC - European Commission; EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Existing and New Chemical Substances (Japan); EPCRA - Emergency Planning and Community Right-to-Know Act; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration 50%; LD50 - Lethal Dose 50%; MARPOL - International Convention for the Prevention of Pollution from Ships; NIOSH - National Institute for Occupational Safety and Health; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PICCS - Philippines Inventory of Chemicals and Chemical Substances; PPE - Personal Protective Equipment; REACH - Registration, Evaluation, Authorization and Restriction of Chemicals; SARA - Superfund Amendments and Reauthorization Act; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average

Disclaimer

The information contained in this Safety Data Sheet is based on data from sources considered technically reliable and is provided in good faith based on information available at the time of preparation. This SDS is intended only as a guide for safe handling, use, storage, transportation, disposal, and release. It is not a warranty or specification, and no warranty is expressed or implied. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified herein. Users are responsible for determining the suitability of this information for their particular purposes and for ensuring safe conditions of use.

Revision Information

New document - Version 01

Material Name: Superclear Designer Art Resin

SDS Revision: 01

Revision Date: 02-13-2026

SAFETY DATA SHEET

Superclear Designer Art Resin

Revision Date: 2-12-26

Version Number: 1.0



1. IDENTIFICATION

Product Identifier: Superclear Designer Art Resin

SKU's: 143322, 143321, 143320, 143319

ASINs: B0BLCKG83B, B0BLCWKRLV, B0BLCY4J41, B0BLCZD3NT

Other Means of Identification:

Synonyms: Epoxy Hardener, Amine Curing Agent, B-side

Recommended Use: Hardener for epoxy resin systems

Supplier Information:

Company Name: Fiberglass Coatings, LLC

Address: 4301A 34th Street North

St. Pete, FL 33714

Telephone: (800) 272-7890

Email: info@fiberglasscoatings.com

Emergency Telephone Number:

Velocity EHS 1-800-255-3924

Contract: MIS0002440

Hours of Operation: 24/7

2. HAZARD(S) IDENTIFICATION

GHS Classification

Acute Toxicity (Oral) - Category 4

Skin Corrosion - Category 1

Serious Eye Damage - Category 1

Skin Sensitization - Category 1

Reproductive Toxicity - Category 2

Hazardous to Aquatic Environment (Acute) - Category 1

Hazardous to Aquatic Environment (Chronic) - Category 1

Label Elements

Signal Word: DANGER

Hazard Pictograms:



- Corrosion
- Health Hazard
- Exclamation Mark
- Environment

Hazard Statements:

- H302: Harmful if swallowed
- H314: Causes severe skin burns and eye damage
- H317: May cause an allergic skin reaction
- H318: Causes serious eye damage
- H361: Suspected of damaging fertility or the unborn child
- H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements:

- **Prevention:**
 - P202: Do not handle until all safety precautions have been read and understood
 - P260: Do not breathe mist or vapor
 - P264: Wash thoroughly after handling
 - 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
- **Response:**
 - P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 - P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 - P310: Immediately call a POISON CENTER or doctor
 - P333+P313: If skin irritation or rash occurs: Get medical advice/attention

- P363: Wash contaminated clothing before reuse
- **Storage:**
 - P405: Store locked up
- **Disposal:**
 - P501: Dispose of contents/container in accordance with local/regional/national/international regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Chemical Name	CAS Number	Concentration (% by weight)
4-Nonylphenol, branched	84852-15-3	50-60%
Polyoxypropylenediamine	9046-10-0	30-40%
Blended amine accelerator	Trade Secret*	5-15%
Trade secret UV stabilizer	Trade secret*	<1%

*The specific chemical identity and/or CAS number of this component is being withheld as a trade secret in accordance with 29 CFR 1910.1200(i).

4. FIRST-AID MEASURES

Description of First Aid Measures

Inhalation:

Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention.

Skin Contact:

Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Remove contaminated clothing immediately. Wash skin with plenty of water for at least 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact:

Small amounts splashed into eyes can cause irreversible tissue damage and blindness. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Get immediate medical attention. Permanent eye damage including blindness could result.

Ingestion:

Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't

get into the lungs. Immediately call a POISON CENTER or doctor. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Acute: Burning pain and severe corrosive skin damage. Causes serious eye damage with symptoms including stinging, tearing, redness, swelling, and blurred vision. May cause drowsiness, dizziness, nausea, headache.

Delayed/Chronic: Skin sensitization may occur. Risk of reproductive effects. Corneal edema may give rise to perception of "blue haze" around lights (temporary effect).

Immediate Medical Attention

Treat symptomatically. Keep victim under observation as symptoms may be delayed. Ensure medical personnel are aware of the materials involved and take precautions to protect themselves. Application of corticosteroid cream has been effective in treating skin irritation.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray, foam, dry chemical powder, carbon dioxide (CO₂)

Unsuitable Extinguishing Media:

High volume water jet (risk of puddle expansion)

Specific Hazards

- Toxic fumes may be released during combustion
- Ammonia gas may be generated
- Nitrogen oxides may be formed

Special Protective Equipment for Fire-Fighters

- Self-contained breathing apparatus (SCBA)
 - Complete protective clothing
 - Cool containers with water spray from safe distance
 - Collect contaminated fire-fighting water separately; do not discharge into drains
-

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Remove persons to safety
- Evacuate unnecessary personnel
- Wear personal protective equipment (see Section 8)

- Ensure adequate ventilation
- Do not breathe mist or vapor
- Avoid contact with skin and eyes

Environmental Precautions

- Avoid release to the environment
- Prevent entry into waterways, sewers, basements or confined areas
- Notify authorities if product enters sewers or public waters

Containment and Cleanup Methods

- Stop leak if safe to do so
 - Contain spills with dikes or absorbent material
 - Absorb spillage with inert absorbent material (sand, vermiculite, earth)
 - Take up liquid spill into suitable containers
 - Place in appropriate containers for disposal
 - Dispose of materials at an authorized waste disposal site
-

7. HANDLING AND STORAGE

Precautions for Safe Handling

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use only outdoors or in well-ventilated area
- Do not breathe mist or vapor
- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product
- Wear personal protective equipment
- Wash thoroughly after handling
- Pregnant or breastfeeding workers should avoid exposure to this product

Storage Conditions

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

- Store away from: oxidizing agents, strong acids

Packaging Materials

Keep in original container

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

No components of this product have established occupational exposure limits (OSHA PEL, ACGIH TLV, or other regulatory limits).

Engineering Controls

- Adequate local exhaust ventilation as required
- Use process enclosures or local exhaust ventilation where possible
- Eye wash stations and emergency shower must be available

Personal Protective Equipment

Eye/Face Protection:

- Chemical safety goggles
- Full face shield when splash potential exists

Skin Protection:

- Chemical resistant gloves (nitrile rubber, neoprene, butyl rubber, or Viton)
- Chemical resistant apron
- Protective clothing covering all exposed skin

Respiratory Protection:

- Under normal conditions of use with adequate ventilation, respiratory protection is not required. In poorly ventilated areas, or during large spills, use a NIOSH-approved respirator with organic vapor cartridge.

General Hygiene Measures

- Do not eat, drink or smoke when using this product
 - Wash hands thoroughly after handling
 - Wash contaminated clothing before reuse
 - Remove contaminated clothing immediately
-

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Appearance	Colored liquid (light yellow/amber)
Color	Light yellow to amber
Odor	Ammoniacal, phenolic
Odor Threshold	Not determined
pH	10-12 (alkaline)
Melting Point	Approximately -10°C (14°F)
Boiling Point	>200°C (initial)
Flash Point	>94°C (>201°F), closed cup
Evaporation Rate	<1 (slower than butyl acetate)
Flammability	Combustible liquid
Explosion Limits	Not determined
Vapor Pressure	<10 mm Hg @ 20°C
Vapor Density	>1 (heavier than air)
Relative Density	Approximately 0.98-1.02
Solubility in Water	Soluble/slightly soluble
Partition Coefficient (n-octanol/water) Log Pow:	1.3-5.7 (component dependent)
Auto-ignition Temperature	>230°C (>446°F)
Viscosity	Low to medium viscosity liquid
VOC content	VOC content: Not applicable (amine-based, low volatility)

10. STABILITY AND REACTIVITY

Reactivity: May generate electrostatic charges. Reacts with acids.

Chemical Stability: Stable under normal conditions of use and storage.

Possibility of Hazardous Reactions: Violent reaction with strong acids and oxidizers.

Conditions to Avoid

- Heat, hot surfaces
- Contact with incompatible materials
- Moisture (may cause slow reaction)

Incompatible Materials

- Strong oxidizing agents
- Strong acids
- Halogens
- Reactive metals
- Organic acids
- Sodium hypochlorite

Hazardous Decomposition Products

- Ammonia
 - Carbon monoxide
 - Carbon dioxide
 - Nitrogen oxides
 - Aldehydes
 - Organic compounds
-

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral LD50 (calculated): 2,200 mg/kg (based on GHS additivity formula for mixture)

Dermal LD50 (estimated): >2,500 mg/kg

Inhalation LC50 (estimated): >1.0 mg/l (4 hours, vapor)

Classification: Harmful if swallowed (Category 4)

Skin Corrosion/Irritation

Causes severe skin burns. Contains corrosive components sufficient to cause Category 1 classification.

Serious Eye Damage

Causes serious eye damage. Permanent damage including blindness could result.

Respiratory/Skin Sensitization

May cause an allergic skin reaction. Contains known skin sensitizers.

Germ Cell Mutagenicity

Not classified as mutagenic. In vitro and in vivo tests on components showed negative results.

Carcinogenicity

- IARC: Not listed
- NTP: Not listed
- OSHA: Not listed

Reproductive Toxicity

Suspected of damaging fertility or the unborn child (Category 2). Contains nonylphenol and related components with reproductive concerns.

STOT - Single Exposure

Not classified.

STOT - Repeated Exposure

Not classified based on available data.

Aspiration Hazard

Not expected to present an aspiration hazard.

Potential Health Effects

- **Inhalation:** Respiratory irritation, headache, dizziness
- **Skin:** Severe burns, corrosion, may be absorbed through skin, may cause sensitization
- **Eyes:** Severe damage, pain, vision impairment, potential blindness
- **Ingestion:** Harmful, causes burns to mouth and digestive tract
- **Chronic:** Skin sensitization, potential reproductive effects

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects. Classification based on nonylphenol content with consideration of mixture classification rules under GHS. Nonylphenol exhibits high aquatic toxicity with M-factors of M=100 (acute) and M=100 (chronic).

Aquatic Toxicity Data:

- Fish LC50: <1 mg/L (based on nonylphenol component)
- Daphnia EC50: <0.1 mg/L (based on nonylphenol component)
- Algae: Harmful to algae and aquatic plants

Persistence and Degradability

- Polyoxypropylenediamine: Not readily biodegradable
- Nonylphenol: Persistent in environment, slow degradation
- Overall mixture: Not readily biodegradable

Bioaccumulative Potential

- Polyoxypropylenediamine: Low bioaccumulation potential
- Nonylphenol: High bioaccumulation potential (Log Pow 5.71)
- Overall: Moderate to high bioaccumulation concern

Mobility in Soil

Mixture may contaminate groundwater. Moderate adsorption to soil.

Other Adverse Effects

- Long-term effects on aquatic environment
- Potential endocrine disruption effects
- Toxic to fish, crustacea, and aquatic organisms

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Dispose of contents/container in accordance with local/regional/national/international regulations
- Dispose at licensed/authorized waste disposal facility
- Do not discharge into drains, sewers, or waterways
- Hazardous waste - requires special disposal
- Incineration at approved facility with appropriate pollution controls
- Do not re-use empty containers

Additional Information

This material and its container must be disposed of as hazardous waste. Empty containers retain product residue and may be hazardous.

14. TRANSPORT INFORMATION

DOT (US Department of Transportation)

UN Number: UN2735

Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (contains Polyoxypropylenediamine, Nonylphenol)

Hazard Class: 8 (Corrosive)

Packing Group: III

Labels Required: Corrosive

Marine Pollutant: Yes

Special Provisions: IB3, T7, TP1, TP28

Packaging Exceptions: 154

Packaging Non-Bulk: 203

Packaging Bulk: 241

Limited Quantity: Packages ≤5 L may qualify for exceptions per 49 CFR 173.154

IMDG (International Maritime)

UN Number: 2735

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains Polyoxypropylenediamine, Nonylphenol)

Class: 8

Packing Group: III

Marine Pollutant: Yes

EmS: F-A, S-B

Limited Quantity: Packages ≤5 L may qualify as limited quantities with proper marking

IATA (Air Transport)

UN Number: 2735

Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (contains Polyoxypropylenediamine, Nonylphenol)

Class: 8

Packing Group: III

Labels: Corrosive

ERG Code: 8L

Limited Quantity: Inner packagings ≤1 L may qualify with "Y" mark

Special Precautions

- Ground all equipment during transfer
- Prevent electrostatic discharge
- Marine pollutant - special handling required

15. REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All components listed on TSCA Inventory

CERCLA Reportable Quantity: Not applicable

SARA Title III:

- Section 302 (EHS): Not listed
- Section 311/312 Hazard Categories:
 - Immediate (Acute) Health Hazard
 - Delayed (Chronic) Health Hazard
 - Reactive Hazard: No
- Section 313 (TRI): Contains 4-Nonylphenol (reportable)

OSHA: Hazardous chemical per 29 CFR 1910.1200

US State Regulations

California Proposition 65:

This product does not contain chemicals known to the State of California to cause cancer or reproductive harm at concentrations requiring a Proposition 65 warning.

Right-to-Know Lists:

- New Jersey: Components listed
- Pennsylvania: Components listed
- Massachusetts: 4-Nonylphenol listed

International Inventories

- Canada DSL: All components listed
- EU EINECS: All components listed or exempt
- Australia AICS: Listed
- Japan ENCS: Listed
- Korea ECL: Listed
- China IECSC: Listed
- Philippines PICCS: Listed

Additional Regulations

4-Nonylphenol subject to US EPA Chemical Action Plan for Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs)

16. OTHER INFORMATION

Issue Date: 2-12-26

Revision Date: 2-12-26

Version: 1.0

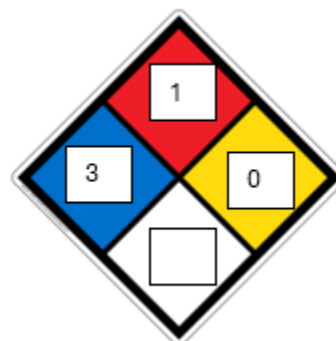
Hazard Rating Systems

NFPA Ratings:

- Health: 3 (Serious hazard)
- Flammability: 1 (Slight hazard)
- Instability: 0 (Stable)
- Special: None

HMIS Ratings:

- Health: 3*
- Flammability: 1
- Physical Hazard: 0
- Personal Protection: B (Safety glasses, gloves, apron)



HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

List of Abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists, AICS: Australian Inventory of Chemical Substances, CAS: Chemical Abstracts Service, CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act, CFR: Code of Federal Regulations, DOT: Department of Transportation, DSL: Domestic Substances List (Canada), EC50: Effective Concentration 50%, EINECS: European Inventory of Existing Commercial Chemical Substances, ENCS: Existing and New Chemical Substances (Japan), EPA: Environmental Protection Agency, GHS: Globally Harmonized System, HMIS: Hazardous Materials Identification System, IARC: International Agency for Research on Cancer, IATA: International Air Transport Association, IECSC: Inventory of Existing Chemical Substances in China, IMDG: International Maritime Dangerous Goods, LC50: Lethal Concentration 50%, LD50: Lethal Dose 50%, NFPA: National Fire Protection Association, NIOSH: National Institute for Occupational Safety and Health, NTP: National Toxicology Program, OSHA: Occupational Safety and Health Administration, PEL: Permissible Exposure Limit, PICCS: Philippine Inventory of Chemicals and Chemical Substances, PPE: Personal Protective Equipment, SARA: Superfund Amendments and Reauthorization Act, SDS: Safety Data Sheet, STOT: Specific Target Organ Toxicity, TLV: Threshold Limit Value, TSCA: Toxic Substances Control Act, TWA: Time Weighted Average, VOC: Volatile Organic Compound

Disclaimer

The information contained in this Safety Data Sheet is based on data from sources considered technically reliable and is provided in good faith based on information available at the time of preparation. This SDS is intended only as a guide for safe handling, use, storage, transportation, disposal, and release. It is not a warranty or specification, and no warranty is expressed or implied. The information relates only to the

specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified herein. Users are responsible for determining the suitability of this information for their particular purposes and for ensuring safe conditions of use.

Revision Information: New document

Material Name: Superclear Designer Art Resin

SDS Revision: 1.0

Revision Date: 2-12-26