

Little Windows Brilliant Resin SDS Cover Letter



The purpose of an SDS is to provide information to help you make safe decisions about usage, handling, storage, and clean-up of a product, and best practices in case something goes wrong.

The information included follows legal guidelines set up by OSHA. These can seem a bit scary, but please keep in mind that this covers worst case scenarios. It includes details that may not be relevant to your particular situation, but are made available just in case.

Given the thorough instructions and free videos we provide, and since both our packaging and recommended batch sizes are small, the likelihood of harm is pretty low, but take reasonable precautions, and use common sense and good housekeeping procedures. If you have chemical allergies, eczema, skin conditions, or respiratory issues, please review the SDS in detail to help you decide if this product is right for you.

Our product is not classified as a toxic material, but can be irritating, so work in a space with decent ventilation, do your best to keep it off of your skin and out of your eyes, and make sure it's not ingested by you, your family, or your pets.

Here's a quick guide for what to do if you get this product on you, or in you:

After inhalation	Get fresh air.
After skin contact	Wipe excess with dry paper towels. Remove any contaminated clothing. Wash skin with plenty of water for at least 20 minutes. Use dish soap until no longer sticky.
After eye contact	Rinse immediately with plenty of water for at least 20 minutes. Remove contact lenses and continue to wash.
After ingestion	Part A - No emergency medical treatment necessary. If someone drinks Part B by itself - drink 1 to 3 glasses of water or milk. Do not induce vomiting without medical advice.

If symptoms persist, seek medical attention.

Feel free to contact us with any questions: fran@little-windows.com

SECTION 1: IDENTIFICATION

Product/Chemical Name **Brilliant Resin PART A**

Recommended Use EPOXY RESIN COMPONENT FOR SMALL CRAFTS AND JEWELRY MAKING
Supplied by Imagine This..., LLC
 3043 Foothill Blvd, Suite 15
 La Crescenta, CA 91214
 (818) 248-6000

SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Classification Mild Skin Irritant

Signal Word Warning

Pictogram(s)



G.R.A.S.S. (Generally Regarded As a Safe Substance)

Used as directed, this product is safe for use in small crafting projects. Overexposure is not likely to occur. Formulation complies with CFR Title 21 Part 175.300 and 105 for direct and indirect food contact.

GHS Label elements, including precautionary statements

Health Hazards: H319 Causes eye irritation Category 2A
 H315 Causes skin irritation Category 2
 H317 May cause an allergic skin reaction Category 1

Precautionary Statements P280 Wear protective gloves/protective clothing/eye protection/face protection
 P273 Avoid release to the environment
 P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water..
 P280 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P391 Collect spillage.
 P501 Dispose of contents and container to licensed, permitted incinerator.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component/s	%	OSHA PEL	ACGIH TLV	CAS #
Bisphenol A Resins	75 - 90	.	.	Proprietary
Modified derivative of Cycloaliphatic Epoxidise Monomer Diluent	5-10	.	.	Proprietary
Glycidyl Ether(C12-C14 alkyloxy)	3-10	.	.	68609-97-2

SECTION 4: FIRST-AID MEASURES

First-aid measures general Responders - If potential for exposure exists refer to Section 8 for specific personal protective equipment.

First-aid measures after inhalation Move person to fresh air; if effects occur, consult a physician.

First-aid measures after skin contact Remove material from skin immediately by wiping with dry paper towel, then washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated.

First-aid measures after eye contact Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

First-aid after ingestion No emergency medical treatment necessary.

Medical conditions that could be aggravated by exposure: Allergy, eczema, skin conditions, respiratory issues

STEP 5: FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media** Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.
- Unsuitable extinguishing media** Do not use direct water stream; may spread fire

Special hazards arising from the substance or mixture

- Hazardous Combustion Products** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Phenolics. Carbon monoxide. Carbon dioxide.

Advice for firefighters

Fire Fighting Procedures

Isolate fire and deny unnecessary entry. Use water spray until fire is out and danger of reignition has passed. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Water fog, applied gently may be used as a blanket for fire extinguishment. Contain fire water run-off if possible.

Special Protective Equipment for Firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.

Environmental Precautions

See Section 12, Ecological Information

Methods and Materials for Containment and Cleaning Up

Contain spilled material if possible. Absorb with materials such as: Sand, Polypropylene fiber products, Polyethylene fiber products. Remove residual with soap and hot water. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Use common sense and good general housekeeping procedures. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not store in high temperatures. Application of a direct flame to a container of liquid epoxy resin can also cause explosion and/or fire.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, dark space. Make sure lid is screwed on tightly.

Storage temperature: 2 - 43 °C (40-100° F), ideally 70-80° F

Shelf life: Best if used within 24 months

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits None established

Derived No Effect Level (DNEL)

Consumers

Potential Health Effects	Possible Route(s) of Exposure	
Acute – Systemic Effects	Skin Contact	No data available
Acute – Systemic Effects	Inhalation	No data available
Acute – Systemic Effects	Ingestion	No data available
Acute – Local Effects	Skin Contact	No data available
Acute – Local Effects	Inhalation	No data available
Long-Term – Systemic Effects	Skin Contact	No data available
Long-Term – Systemic Effects	Inhalation	No data available
Long-Term – Systemic Effects	Ingestion	No data available
Long-Term – Local Effects	Skin Contact	No data available
Long-Term – Local Effects	Inhalation	No data available

Predicted No Effect Concentration (PNEC)

Compartment	Value	Remarks
Fresh Water	0.006 mg/l	n/a

Marine Water	0.0006 mg/l	n/a
Intermittent Releases	0.018 mg/l	n/a
STP	10 mg/l	n/a
Fresh Water Sediment	0.996 mg/l	n/a
Marine Sediment	0.0996 mg/l	n/a
Soil	0.196 mg/l	n/a

Exposure Controls

Eye/Face Protection - Use safety glasses consistent with EN 166 or equivalent.

Skin Protection - Selection of protective clothing and other protective devices which are chemically resistant to this material will depend on the task. Should not be necessary with the directed, intended usage.

Hand Protection - If desired use chemical resistant gloves, especially if chemically sensitive. Examples of preferred glove barrier materials include: Butyl rubber, Ethyl vinyl alcohol laminate ("EVAL"), Nitrile/butadiene rubber ("nitrile" or "NBR"), Neoprene, Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove should also take into account all relevant factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection - If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed.

Ingestion - Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

CONTROLS

Engineering Controls

Ventilation - General ventilation should be sufficient for most operations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous liquid	Solubility	Insoluble in water
Color	Clear	Initial Boiling Point and Boiling Range	>200° F
Density	1.07 to 1.10 g/cm ³	Flash Point	No data available
Upper/Lower Flammability or Explosive Limits	n/a	Evaporation Rate	No data available
Odor	Slightly sweet; distinct odor	Flammability	No data available
Vapor Pressure	0.000000046 Pa @ 25°C	Upper/Lower Flammability or Explosive Limits	No data available
		Partition Coefficient	3.242 Estimated
		Auto-Ignition Temperature	235°C (455°F)
		Decomposition Temperature	No test data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under recommended storage conditions. See Storage, Section 7.
Possibility of Hazardous Reactions	Polymerization will not occur by itself.
Conditions to Avoid	Avoid exposures to temperatures above 250°C (482° F).
Incompatible Materials	Avoid contact with oxidizing materials: Acids. Bases. Avoid unintended contact with amines.
Hazardous Decomposition Products	Depends upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

SECTION 11: TOXICOLOGICAL INFORMATION

Not classified as a toxic material in packaged amounts, following provided directions.

Acute Toxicity

Ingestion	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Aspiration Hazard	Based on physical properties, not likely to be an aspiration hazard.
Dermal	Prolonged skin contact is unlikely to result in absorption of harmful amounts. LD50, Rabbit 23,000 mg/kg
Inhalation	At room temperature, exposure to vapor is minimal due to low volatility. Vapor from heated material, mist or aerosols may cause respiratory irritation. As product: The LC50 has not been determined.
Eye Damage/Eye Irritation	May cause eye irritation. Corneal injury is unlikely.
Skin Corrosion/Irritation	Prolonged contact may cause skin irritation with local redness. Repeated contact may cause skin irritation with local redness.
Sensitization	Has caused allergic skin reactions in humans.

Repeated Dose Toxicity - Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects.

Chronic Toxicity and Carcinogenicity - International Agency for Research on Cancer (IARC) does not classify DGEBA as a carcinogen.

Reproductive and Developmental Toxicity - In animal studies, did not interfere with reproduction or development.

Genetic Toxicity - In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

Toxicity Low to no toxicity to aquatic organisms (LC50/EC50/IC50 between 1 and 10 mg/L in the most sensitive species).

Persistence and Degradability Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

Biodegradation	Exposure Time	Method	10 Day Window
<12%	28 d	OECD 302B Test	n/a

Bioaccumulative Potential - Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

Mobility in Soil - Potential for mobility in soil is low

Partition coefficient, soil organic carbon/water (Koc)

1,800 - 4,400 Estimated.

Henry's Law Constant (H)

4.93E-05 Pa*m³/mole.; 25 °C

Results of PBT and vPvB assessment

This substance is **not** considered to be persistent, bioaccumulating, nor toxic (PBT).

Other adverse effects

This substance is **not** listed as a substance that depletes the ozone layer.

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Waste Treatment Methods

This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 91/689/EEC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. Do not dump into any sewers, on the ground, or into any body of water.

SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)

- Not classified by DOT, IATA or IMDG

Road & Rail,

UN Proper Shipping Name	Epoxy resin
UN Number	Not regulated
Transport Hazard Classes	N/A
Packing Group Number	N/A
Classification	N/A
Hazard Identification No.	N/A
Environmental Hazard	N/A

Ocean, Air and Inland Waterways

UN Proper Shipping Name	Epoxy resin
UN Number	Not regulated
Transport Hazard Classes	N/A
Packing Group Number	N/A
Cargo Packing Instruction	N/A
Passenger Packing Instruction	N/A
Environmental Hazard	N/A

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

US. Toxic Substances Control Act - All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

European Inventory of Existing Commercial Chemical Substances (EINECS) - Components of this product are not listed on EINECS because they are polymers or "no-longer polymers" marketed before the enforcement of the 7th Amendment to Directive 67/548/EEC.

Other regulations - Reaction product: Bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight <= 700) can also be described by the CAS# 025085-99-8.

Chemical Safety Assessment - A Chemical Safety Assessment has been carried out for this substance by the manufacturer.

SECTION 16: OTHER INFORMATION

Date Prepared	05/18/2016
Last Revision	n/a
Changes Since Last Revision	n/a

Used as directed for its intended purpose, this product is considered G.R.A.S.S. (generally regarded as a safe substance).

SARA Title III - Does not intentionally contain any California Prop 65 designated chemicals.

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 Little Windows by Imagine This..., LLC, it is the user's obligation to determine the suitability of the product for its intended application and the user assumes all risk and liability for its safe use.**

This SDS is prepared to comply with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH). Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.

SECTION 1: IDENTIFICATION

Product/Chemical Name BRILLIANT RESIN PART B CURING AGENT (COMPOUNDED BLEND)
Recommended Use COMBINE WITH PART A (in 2A:1B Ratio) FOR SMALL CRAFTS AND JEWELRY MAKING

Supplied by Imagine This..., LLC
3043 Foothill Blvd, Suite 15
La Crescenta, CA 91214
(818) 248-6000

SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Classification Corrosive liquid
Signal Word Danger
Hazard Statement(s) This liquid may cause an allergic skin reaction with contact, may cause eye irritation with contact.
Pictogram(s)



G.R.A.S.S. (Generally Regarded As a Safe Substance)

Used as directed, this product is safe for use in small crafting projects. Overexposure is not likely to occur.

GHS Classification (0 = low, 4 = harmful)

Acute toxicity Oral – Category 2 (don't drink this)
Acute toxicity Dermal – Category 1
Skin corrosion Category 1B - wear protective gear if sensitive or anticipating contact
Skin sensitization Category 1

GHS Label elements, including precautionary statements

Health Hazards:	H302 + H312 H314 H317	Harmful if swallowed or in extended contact with skin May cause skin burns and eye damage May cause an allergic skin reaction
Prevention Precautions	P261 P264 P270 P280	Avoid breathing dust/fume/gas/mist/vapors/spray Wash hands thoroughly after handling Do not eat, drink, or smoke when using this product. If sensitive, wear protective gloves/protective clothing/eye protection/face protection
Response Precautions	P301 + P312 P301 + P330 + P331 P303 + P361 + 353 P304 + P340 P305 + 351 + P338 P310 P333 + P313 P363	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Immediately remove any contaminated clothing. Rinse skin with water and dish soap. IF INHALED: Remove victim to fresh air and keep at rest. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing. If severe reaction occurs, immediately call a POISON CENTER or doctor/physician. If skin irritation or rash occurs: Get medical advice or attention. Wash contaminated clothing before reuse.
Disposal Precautions	P501	Dispose of contents/container in accordance with local, state and federal regulations

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	Product Identifier (CAS) and Other Unique Identifiers	Concentration
Epoxy Adduct	Proprietary	30-60%
3,3(Oxybis(2, 1 ethane-diloxy))bis 1- propanmine	Proprietary	30%-50%

SECTION 4: FIRST-AID MEASURES

First-aid measures general	Remove to fresh air. If breathing has stopped or is labored, give assisted respiration and seek medical advice.
After inhalation	If breathing has stopped or is labored, give assisted respirations.
After skin contact	Remove contaminated clothing, and any extraneous chemical right away. Wash off immediately with plenty of water for at least 20 minutes. Cover any wounds with sterile dressing.
After eye contact	Rinse immediately with plenty of water and also under eyelids for at least 20 minutes. Remove contact lenses.
After ingestion	Do not induce vomiting without medical advice. If alert, drink 1 to 3 glasses of water or milk. To prevent aspiration of vomit, turn victim's head to the side.
Note to Physician	Application of corticosteroid cream has been effective in treating skin irritation.

Most important symptoms and effects, both acute and delayed - Repeated and/or prolonged exposure to **concentrations of vapors and/or aerosols**, may cause sore throat, eye disease, skin allergies, adverse skin effects (such as rash, irritation, or corrosion), adverse eye effects (conjunctivitis or corneal damage), adverse respiratory effects (such as cough, tightness of chest or shortness of breath), asthma. **These effects are not likely with intended use, DO NOT SPRAY OR ATOMIZE.**

STEP 5: FIRE-FIGHTING MEASURES

Flammable Classification	Non-flammable
Suitable extinguishing media	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Dry sand Limestone powder
Specific Hazards	May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.
Unsuitable extinguishing media	Water

Advice for Firefighters - Avoid contact with the skin. Use personal protective equipment. Wear self-contained breathing apparatus if necessary.

Further Information - Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures - Wear suitable protective clothing and gloves.

Methods/materials for containment/clean up - If leak is found, absorb or scrape up excess. Place in appropriate chemical waste container.

Environmental Precautions - If possible, stop flow of product.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Use common sense and good general housekeeping procedures. Do not use sodium nitrite or other nitrosating agents in formulations containing this product, or suspected cancer-causing nitrosamines could be formed. Avoid contact with skin and eyes. Avoid breathing concentrated vapors. Avoid contact with eyes. If sensitive, wear gloves and use only in well-ventilated areas. Use personal protective equipment. When using, do not eat, drink, or smoke.

Conditions for safe storage, including any incompatibilities

Store in original containers. Contain spills or leaks. Do not store near acids. Keep containers tightly closed in a dry, cool, ventilated place.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Measures

Respiratory Protection	Wear appropriate respirator when ventilation is inadequate (OSHA 29 CFR 1910.134)
Skin Protection	If sensitive or messy, wear impervious gloves (Neoprene, Butyl-rubber, Nitrile rubber) If a risk assessment indicates necessity, chemical resistant impervious gloves complying with an approved standard should be worn when handling chemical products.
Eye/Face Protection	If sensitive or messy, chemical resistant goggles must be worn.
Special Instructions for Protection and Hygiene	Discard contaminated leather articles. Remove contaminated clothing. Drenching affected area with water for at least 15 minutes.

Exposure Limit(s) N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Solubility	0.1 g/l
Appearance	Clear	Evaporation Rate	No data available
Density	0.98 g/cm ³ @ 77°F (25°C)	Flash Point	205°F (96°C)
Upper/Lower Flammability or Explosive Limits	No data Available	Initial Boiling Point and Boiling Range	401°F (205°C)
Odor	Ammonia-like odor	Flammability (solid, gas)	n/a
Vapor Pressure	< 0.01 mmHg at 70°F (21°C)	Partition Coefficient	n/a
Vapor Density	5.61 g/cm ³	Auto-Ignition Temperature	n/a
pH	9 Alkaline	Decomposition Temperature	NDA
Melting/Freezing Point	No data available	Viscosity	20 mPa.s at 77°F (25°C)
		Relative Density	0.98 (water = 1)

SECTION 10: STABILITY AND REACTIVITY

Reactivity	n/a
Chemical stability	Stable under normal handling and storage conditions.
Possibility of Hazardous Reactions	n/a
Conditions to Avoid	None known
Incompatible Materials	Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Strong bases and acids Sodium hypochlorite Organic acids (acetic acid, citric acid etc.) Mineral acids Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion Oxidizing agents
Hazardous Decomposition Products (trace amounts when burned)	Nitric acid Ammonia Nitrogen oxide (NO _x) Nitrogen oxide can react with water vapors to form corrosive nitric acid Carbon monoxide Carbon dioxide (CO ₂) Nitrosamine
Possibility of Hazardous Reactions/Reactivity	No data available at time of publication

SECTION 11: TOXICOLOGICAL INFORMATION - Used as directed, considered a safe product.

Likely Routes of Exposure

Effects on Eye	Causes eye burns. May cause blindness. Severe eye irritation.
Effects on Skin	Harmful in contact with skin. Causes skin irritation and could cause burns if left on skin.
Inhalation Effects	May cause nose, throat, lung irritation and respiratory tract burns.
Ingestion Effects	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Symptoms Repeated and/or prolonged exposure to concentrations of vapors may cause: Sore throat, eye disease, skin disorders and allergies, adverse skin effects (such as rash, irritation, or corrosion), adverse eye effects (such as conjunctivitis or corneal damage), adverse respiratory effects (such as cough, tightness of chest or shortness of breath), asthma.

Acute Toxicity

Acute Oral Toxicity	LD50: 2369 mg/kg
Acute Dermal Toxicity	LD50: 2,000 mg/kg
Skin Corrosion/Irritation	Severe skin irritation
Serious Eye Damage/Eye Irritation	Severe eye irritation
Sensitization	May cause sensitization by skin contact.

Chronic Toxicity or Effects From Extensive Long Term Exposure

Carcinogenicity	No data available
Reproductive Toxicity	No data available
Germ Cell Mutagenicity	Results from a battery of short term genotoxicity tests on this material or its components indicate mutagenic activity.
Specific Target Organ Systemic Toxicity (single exposure)	No data available
Specific Target Organ Systemic Toxicity (repeated exposure)	No data available
Aspiration Hazard	No data available

Possible Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage. Repeated or prolonged contact may cause sensitization, asthma, eczemas, eye disease, skin disorders and allergies, adverse skin effects (such as rash, irritation, or corrosion), adverse eye effects (such as conjunctivitis or corneal damage), adverse respiratory effects (such as cough, tightness of chest or shortness of breath), asthma.

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity Effects

Aquatic Toxicity No data available
Toxicity to Other Organisms No data available

Persistence and Degradability

Bioaccumulative Potential n/a
Mobility in Soil n/a
Biodegradability n/a

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Waste From Residues / Unused Product - Contact supplier if guidance is required

Contaminated Packaging - Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 14: TRANSPORT INFORMATION

DOT, IATA, IMDG, TDG

UN Number UN2735
UN Proper Shipping Name Amines corrosive, n.o.s
Class or Division 8
Packing Group III
Label(s) 8 (Limited Quantity)
Marine Pollutant No

Further Information

The transportation information is not intended to convey all specific regulatory data relating to this material.

SECTION 15: REGULATORY INFORMATION

Additional safety, health, environmental regulations

Toxic Substance Control Act (TSCA 12(b) Component(s))

Country	Regulatory List	Notification
USA	TSCA	Included on inventory <i>(this means it's listed as acceptable to transport)</i>
EU/UK	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer
Canada	DSL	Included on inventory
Australia	AICS	Included on inventory
Japan	ENCS	Included on inventory
South Korea	ECL	Included on inventory
China	SEPA	Included on inventory
Philippines	PICCS	Included on inventory

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification - Acute Health Hazard Chronic Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level - None

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65) - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other harm.

SECTION 16: OTHER INFORMATION

HMIS Rating

Health	2
Flammability	1
Physical Hazard	0

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