

860165 ALLCRETE SL EPOXY CURE

SECTION 1. IDENTIFICATION

Product Identifier	860165 ALLCRETE SL EPOXY CURE
Other Means of Identification	PAINT RELATED MATERIAL
Product Family	86-LINE
Recommended Use	Industrial use only.
Restrictions on Use	Not applicable.
Manufacturer/Supplier Identifier	Allcolour Paint Limited, 1257 Speers Road, Oakville, Ontario, L6L 2X5, (905) 827-4173
Emergency Phone No.	CANUTEC (24 Hours), (613) 996-6666 Allcolour Paint Limited, (905) 827-4173
SDS No.	0519

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 4; Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Acute toxicity (Inhalation) - Category 5; Skin corrosion - Category 1; Serious eye damage - Category 1; Respiratory sensitization - Category 1; Skin sensitization - Category 1; Specific target organ toxicity (single exposure) - Category 2; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 2; Aspiration hazard - Category 2

Label Elements



Danger

Combustible liquid.

Harmful if swallowed, in contact with skin or if inhaled.

May cause an allergic skin reaction.

Causes serious eye damage.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause respiratory irritation.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Call a POISON CENTRE or doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Poly(oxy(methyl-1,2-ethanediyl)), alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy)-	9046-10-0	40-50	
n-Nonylphenol (mixed isomers)	25154-52-3	20-30	
Benzyl alcohol	100-51-6	10-20	
Isophorone diamine	2855-13-2	5-10	
Phenol, 2,4,6-tris(dimethylaminomethyl)-	90-72-2	5-10	
CYCLOALIPHATIC AMINE	CYO90002	1-5	
1,6-Hexanediamine, C,C,C-trimethyl-	25620-58-0	1-5	
Bis(Dimethylaminomethyl)phenol	71074-89-0	<1	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of contamination or move victim to fresh air. If breathing has stopped, properly trained personnel should begin artificial respiration or cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention immediately.

Skin Contact

Quickly and gently blot or brush away excess chemical. Wash gently and thoroughly with water and non-abrasive soap for 20 minutes or until chemical is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). If irritation persists, repeat flushing. Obtain medical advice immediately. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

Eye Contact

Quickly and gently blot or brush away chemical. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 5 minutes, or until the chemical is removed, while holding the eyelid(s) open. Obtain medical advice immediately.

Ingestion

NEVER give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim rinse mouth with water again. Immediately obtain medical attention.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Known to cause skin and eye damage (corrosive)

Central nervous system depressant. Vapour may cause headache, nausea, dizziness, drowsiness, unconsciousness and death. Causes skin irritation.

Known skin sensitizer.

Immediate Medical Attention and Special Treatment

Product Identifier: 860165 ALLCRETE SL EPOXY CURE

Date of Preparation: May 25, 2017

Page 02 of 08

Target Organs

Eyes, kidneys, liver, nervous system, respiratory system, skin.

Special Instructions

Provide general supportive measures (comfort, warmth, rest). Consult a physician and/or the nearest Poison Control Centre for all exposures except minor instances of inhalation or skin contact.

All first aid procedures should be periodically reviewed by a doctor familiar with the material and its conditions of use in the workplace.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media**Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder, alcohol foam, polymer foam, water spray or fog.

Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

Specific Hazards Arising from the Product

Combustible liquid. Can ignite if heated. Releases vapour that can form explosive mixture with air at or above the flash point.

In a fire, the following hazardous materials may be generated: irritating chemicals; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases. Wear positive pressure self-contained breathing apparatus. (SCBA) Structural firefighters' protective clothing will only provide limited protection.

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use nonsparking tools and explosion proof equipment. Restrict access to area. Ensure clean-up is conducted by trained personnel only. Wear adequate personal protective equipment. Remove all ignition sources. Ventilate area.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Do not touch spilled material. Prevent material from entering sewers, waterways or confined spaces. Stop or reduce leak if safe to do so.

Small spills: Contain spill with earth, sand, or absorbent material which does not react with spilled material. Do not use combustible material such as sawdust. Shovel into clean, dry, labelled containers and cover. Keep containers closed. Flush area with water.

Contaminated absorbent material may pose the same hazards as the spilled product.

Large spills: Contact fire and emergency services.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Product Identifier: 860165 ALLCRETE SL EPOXY CURE

Date of Preparation: May 25, 2017

Page 03 of 08

Precautions for Safe Handling

Avoid generation of excessive dust and dust inhalation during sanding and spraying operations. Use good housekeeping practices to avoid accidental ingestion. Keep away from food and feed products. Wash thoroughly after handling, and before eating or smoking.

Conditions for Safe Storage

Contaminated rags may catch fire spontaneously. Store under water in a closed container before cleaning. Remove from sources of ignition. Do not reuse empty containers. Recondition or dispose of in the proper manner. Use with adequate ventilation. Storage area should be clearly identified, well-illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store in a cool, dry, well-ventilated area, away from incompatible materials such as strong oxidizing agents (e.g. peroxides). Store away from all heat and ignition sources. Have appropriate extinguishing capability in storage area (e.g. sprinkler system, fire extinguishers). Inspect all incoming containers before storing to ensure they are undamaged and properly labelled. Store in sturdy containers made of compatible materials. Keep containers tightly closed and protect from damage. Avoid stacking containers on each other.

Keep empty containers in separate area. Empty containers can be hazardous due to residual material. Keep closed. Provide raised sills or ramps at doorways or create a trench which drains to a safe location. Keep absorbents for leaks and spills readily available. It is good practice to store combustible liquids away from process and production areas, away from elevators, building and room exits or main aisles leading to exits.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Benzyl alcohol					10 ppm	

Appropriate Engineering Controls

Use adequate ventilation (general or local) to maintain the ambient concentration below the occupational exposure limit.

Local exhaust is recommended. The following medical procedures should be made available to each employee who is exposed to compounds at potentially hazardous levels: Initial medical screening. Employees should be screened for history of certain medical conditions; kidney disease; chronic respiratory disease; liver disease; which might place the employee at increased risk from exposure. Periodic medical exam: Any employee developing the above listed conditions should be referred for further medical examination.

Individual Protection Measures

Eye/Face Protection

If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment including approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire.

Skin Protection

Nitrile, neoprene or rubber gloves and long sleeves should be worn to prevent skin contact. Safety shower and eye bath should be available.

Respiratory Protection

A NIOSH approved organic vapour respirator with dust and mist prefilter may be required in the absence of adequate environmental controls, (when TLV exceeded). If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Cloudy viscous liquid.
Odour	Fishy
Odour Threshold	Not available
pH	Not available

Product Identifier: 860165 ALLCRETE SL EPOXY CURE

Date of Preparation: May 25, 2017

Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	> 35 °C (95 °F)
Flash Point	~ 93 °C (199 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	~ 0.96
Solubility	Practically insoluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Amines absorb carbon dioxide from the air to form carbamate salts.

Possibility of Hazardous Reactions

Reacts violently in the presence of strong oxidizing agents. May cause fire or explosion.

Conditions to Avoid

Prolonged exposure to high temperatures. Open flames, sparks, static discharge, heat and other ignition sources.

Prolonged exposure to air. Sunlight. Prolonged contact with water, moisture or humidity.

Incompatible Materials

OXIDIZING AGENTS (e.g., perchlorates, nitrates) - Increased risk of fire or explosion.

ACIDS - contamination with acidic constituents (e.g. hydrogen bromide) and dissolved iron can cause an exothermic polymerization above 100 deg C. Bases inhibit the polymerization reaction.

SULFURIC ACID - a mixture of benzyl alcohol with 58% sulfuric acid decomposed explosively at 180 deg C

HALOGENATED ORGANIC COMPOUNDS - May react violently

HALOGENS - May react violently

HYPOCHLORITE - React with primary amines to form chloramines, which are explosive

NITROMETHANE - Forms sensitive explosive mixtures with organic amines.

Corrosive to iron, steel and aluminum when heated (Benzyl alcohol).

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, formaldehyde and other oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact.

Acute Toxicity

Product Identifier: 860165 ALLCRETE SL EPOXY CURE

Date of Preparation: May 25, 2017

Page 05 of 08

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Benzyl alcohol	> 4168 mg/m ³ (rat) (4-hour exposure) (vapour)	~ 1230 mg/kg (rat) (vapour)	< 5250 mg/kg (guinea pig) (vapour)
Poly(oxy(methyl-1, 2-ethanediyl)), alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy)-		~ 2627.2 mg/kg (rat)	~ 2979.7 mg/kg (rabbit)
n-Nonylphenol (mixed isomers)		~ 580 mg/kg (rat)	
Isophorone diamine		~ 1030 mg/kg (rat)	
Phenol, 2,4, 6-tris(dimethylaminomethyl)-		~ 2169 mg/kg (rat)	~ 1280 mg/kg (rat)

Skin Corrosion/Irritation

Animal tests show skin corrosion.

Serious Eye Damage/Irritation

Animal tests show serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Vapour and mist can irritate the nose, throat and lungs. Symptoms such as sore throat, coughing, chest pain, shortness of breath, and difficult breathing may occur.

High concentrations of benzyl alcohol mist may cause headache, nausea, dizziness, and drowsiness (symptoms of central nervous system depression).

Skin Absorption

May cause damage to organs based on animal tests.

Ingestion

Can cause effects as described for skin contact. Depression of the central nervous system.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause harmful effects on the kidneys, harmful effects on the liver, irritation of the respiratory system. May cause respiratory tract injury.

Respiratory and/or Skin Sensitization

Repeated or prolonged skin contact with IPD can cause allergic skin sensitization in people who work with it.

Can cause outbreaks of dermatitis with symptoms such as skin redness, itching, rash and swelling.

IPD is a strong skin sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Benzyl alcohol	Not evaluated	Not Listed	Not Listed	
Isophorone diamine	Not evaluated	Not Listed	Not Listed	

Not known to cause cancer.

Key to Abbreviations

IARC = International Agency for Research on Cancer. ACGIH® = American Conference of Governmental Industrial Hygienists.

Reproductive Toxicity

Development of Offspring

Conclusions cannot be drawn from the limited studies available.

Sexual Function and Fertility

Product Identifier: 860165 ALLCRETE SL EPOXY CURE

Date of Preparation: May 25, 2017

Page 06 of 08

Conclusions cannot be drawn from the limited studies available.

Effects on or via Lactation

Conclusions cannot be drawn from the limited studies available.

Germ Cell Mutagenicity

Conclusions cannot be drawn from the limited studies available.

Interactive Effects

Alcohols may interact synergistically with chlorinated solvents (e.g. carbon tetrachloride), aromatic hydrocarbons (e.g. xylene), or dithiocarbamates (e.g. disulfiram).

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

If released into the environment, this product is expected to move rapidly through the soil, based on physical and chemical properties.

Other Adverse Effects

This product contains volatile organic compounds.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	3066	PAINT RELATED MATERIAL	8	III

Environmental Hazards Potential Marine Pollutant (n-Nonylphenol (mixed isomers))

Special Precautions Not applicable

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

Not applicable

Emergency Response Guide No. 153

Proof of Dangerous Goods Classification

Date of Classification May 12, 2017
Technical Name PAINT RELATED MATERIAL
Classification UN 3066, PAINT, CLASS 8, PG III
Classification Method Lab Formulation Report

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

Product Identifier: 860165 ALLCRETE SL EPOXY CURE

Date of Preparation: May 25, 2017

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 1** **Instability - 0**

SDS Prepared By Allcolour Paint Limited

Phone No. 19058274173

Date of Preparation May 25, 2017

Date of Last Revision May 25, 2017

Revision Indicators REVISION 001

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
AIHA® = AIHA® Guideline Foundation. HSDB® = Hazardous Substances Data Bank
IARC = International Agency for Research on Cancer
NFPA = National Fire Prevention Association
NIOSH = National Institute for Occupational Safety and Health
NTP = National Toxicology Program
OSHA = US Occupational Safety and Health Administration
RTECS® = Registry of Toxic Effects of Chemical Substances

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for
Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute
for Occupational Safety and Health. Available from Canadian Centre for Occupational Health
and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database.
Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational
Health and Safety (CCOHS).

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