Safety Data Sheet:

Revision Date: 08/14/19

Technical Service (888)780-3229 (Option 2)



603 Corro Cure LV XFS Part B

1. Product and Company Identification

Product Name: Product Class: Product Type:

D.O.T. Category: Manufacturer:

Telephone: Emergency:

2. Hazards Identification

GHS classification

Acute toxicity – Oral:
Skin corrosion:
Serious Eye Damage:
Skin sensitization:
Specific target organ
toxicity – repeated exposure – Oral:

GHS label elements

Description: Hazard pictograms/symbols:

Signal Word: Hazard Statements:

Precautionary Statements: Prevention:

Response:

Disposal:

603 Corro Cure LV XFS Epoxy Hardener, Part B Cycloaliphatic Amine

No dangerous goods Corroshield Industries Inc. 2575 United Lane Elk Grove, IL 60009 847/298-7770 1-800/535-5053 INFOTRAC

Category 4 Category 2 Category 1 Category 1

Category 2

Resin Compound D.O.T. Not Regulated.



Danger H302:Harmful if swallowed. H315 Causes skin irritation H317:May cause an allergic skin reaction. H373a:May cause damage to organs through prolonged or repeated exposure if swallowed. H318:Causes serious eye damage

P260:Do not breathe dust/fume/gas/mist/vapours/spray.
P264:Wash hands thoroughly after handling.
P280:Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 :IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 :IF ON SKIN (or hair): Remove/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 CENTRE or doctor/physician.
P333+P313 :If skin irritation or rash occurs: Get medical advice/attention.
P363 :Wash contaminated clothing before reuse.
P501:Disposal of contents/container to be specified in accordance with regulations.



Hazards not otherwise classified:

Components of the product may affect the nervous system. Mild skin irritant. Risk of serious damage to eyes. Harmful if swallowed.

3. Composition/Information on Ingredients

<40 % Benzyl alcohol Cas. No. 100-51-6,

<5% Methylenebiscyclohexanamine, 4,4' Cas. No. 1761-71-3,

<40% Methyleneoxide, polymer with benzenamine, hydrogenated Cas. No. 135108-88-2

4. First Aid Measures

General Advice:	Seek medical advice. If breathing has stopped or is labored, give assisted respirations.
	Supplemental oxygen may be indicated. If the heart has stopped, trained personnel
	should begin cardiopulmonary resuscitation immediately.
Eye Contact:	Rinse immediately with plenty of water also under the eyelids for at least 20 minutes.
	Remove contact lenses.
Skin Contact:	Wash off immediately with plenty of water for at least 20 minutes. Immediately
	remove contaminated clothing, and any extraneous chemical, if possible to do so
	without delay.
Ingestion:	Never give anything by mouth to an unconscious person. Prevent aspiration of vomit.
-	Turn victim's head to the side.
Inhalation:	Move to fresh air.
Most Important symptoms/	
effects- acuate and delayed:	Neurological disorders Eye disease. Skin disorders and Allergies.

5. Fire-Fighting Measures

Suitable extinguishing media:	Alcohol-resistant foam.
	Carbon dioxide (CO2).
	Dry chemical.
	Dry sand.
	Limestone powder.
Specific hazards:	Incomplete combustion may form carbon monoxide. May generate ammonia gas. May
	generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes.
	Downwind personnel must be evacuated.
Special protective equipment for fire-fighters:	Avoid contact with the skin. Use personal protective equipment. Wear self contained
	breathing apparatus for fire fighting if necessary

6. Accidental Release Measures

Personal Precautions, Protective	
Equipment and Emergency Procedures:	Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe
	areas.
Environmental precautions:	Construct a dike to prevent spreading.
Methods for cleaning up:	Approach suspected leak areas with caution. Place in appropriate chemical waste container.
Additional advice:	If possible, stop flow of product.

7. Handling and Storage

Handling:

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.



44.20 mg/m3

Storage:

Do not store near acids. Keep away from alkalis. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Engineering measures:	Provide readily accessible eye wash stations and safety showers.
	Provide natural or explosion-proof ventilation adequate to ensure concentrations are
	kept below exposure limits.
Personal Protective Equipment	
Respiratory protection:	Not required for properly ventilated areas.
Hand protection:	Butyl-rubber
-	Nitrile rubber.
	Neoprene gloves.
	Impervious gloves.
	Chemical-resistant, impervious gloves complying with an approved standard should be
	worn at all times when handling chemical products if a risk assessment indicates this is
	necessary.
Eye protection:	Chemical resistant goggles must be worn.
Skin and body protection:	Long sleeve shirts and trousers without cuffs. Impervious clothing
Special instructions for protection and hygiene	Discard contaminated leather articles. Wash hands at the end of each workshift and
	before eating, smoking or using the toilet. Remove contaminated clothing. Drench
	affected area with water for at least 15 minutes. Provide readily accessible eye wash
	stations and safety showers.
Exposure Limit(s)	

Benzyl alcohol	Time Weighted Average (TWA): WEEL	10 ppm

9. Pysical and Chemical Properties

Appearance: Odor: Odor threshold: pH: Meleting point/range: Boiling point/range: Flash point: **Evaporation rate:** Flammability (solid, gas): Upper/lower explosion/flammability limit: Vapor pressure: Water solubility: Relative vapor density: Relative density: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Molecular Weight: Density:

Liquid. Amber colour Ammoniacal. No data available. Alkaline No data available. 432 °F (222 °C) 219 °F (104 °C) No data available. Not applicable. Not applicable 0.70 mmHg at 70 °F (21 °C) No data available Not applicable 1.06 (water = 1)No data available No data available No data available No data available No data available 66.174 lb/ft3 (1.06 g/cm3) at 70 °F (21 °C)

10.Stability and Reactivity

Chemical Stability: Conditions to avoid: Materials to avoid: Stable under normal conditions no data available Amines. Incompatible with bases. Reducing agents. Reactive metals (e.g. sodium, calcium, zinc etc.).



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	Materials reactive with hydroxyl compounds. CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. Nitrous acid and other nitrosating agents. Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Sodium hypochlorite. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents.
Hazardous decomposition products:	Nitric acid. Ammonia
	Nitrogen oxides (NOx).
	Nitrogen oxide can react with water vapors to form corrosive nitric acid.
	Carbon monoxide.
	Carbon dioxide (CO2).
	Aldehydes
	Flammable hydrocarbon fragments.
	Nitrosamine.
	Organic acid vapors
Possibility of hazardous Reactions/Reactivity:	No data available

11. Toxicological Information

11.1 Information on toxicological effects		
Likely routes of exposure		
Effects on eye:	Causes eye burns	
Effects on skin:	If absorbed through the skin, may cause cer	ntral nervous system effects, such as
	headache, nausea, dizziness, confusion, bre	eathing difficulties. Mild skin irritation.
	Symptoms of overexposure may be headach	he, dizziness, tiredness, nausea and vomiting
Inhalation effects:	May cause central nervous system effects, s	such as headache, nausea, dizziness,
	confusion, breathing difficulties. Severe ca	ses of overexposure can result in respiratory
	failure.	
Ingestion effects:	Harmful if swallowed	
Symptoms:	No data available	
Acute Toxicity		
Acute Oral Toxicity:	LD50 : 1,200 mg/kg Species : Rat	
Inhalation:	No data is available on the product itself	
Inhalation – Components		
Benzyl alcohol	LC50 (4 h) : > 4.178 mg/l Species : Rat. OECD Test Guideline 403	
Acute Dermal Toxicity:	No data is available on the product itself.	
Acute Dermal Toxicity – Components		
Benzyl alcohol	LD50 : 2,000 mg/kg	Species : Rabbit.
Methylenebiscyclohexanamine, 4,4'-	LD50 : 2,110 mg/kg	Species : Rabbit.
Methyleneoxide, polymer with	LD50 : > 2,000 mg/kgEstimated	Species : Rabbit
benzenamine, hydrogenated		
Skin corrosion/irritation:	Mild irritant to the skin of a rabbit	
Serious eye damage/eye irritation:	Risk of serious damage to eyes.	
Sensitization:	May cause sensitization of susceptible pers	ons by skin contact
Chronic toxicity or effects from long term ex	kposures	
Carcinogenicity:	No data available	
Reproductive toxicity:	No data is available on the product itself	
Germ cell mutagenicity:	No data is available on the product itself	



Specific target organ systemic	
toxicity (single exposure):	No da
Specific target organ systemic	
toxicity (repeated exposure):	No da
Aspiration hazard:	No da
Delayed and Immediate Effects and Chronic	
Effects from Short and Long Term Exposure:	This p

No data available.

No data available. No data available

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.Neurological disorders, Eye disease., Skin disorders and Allergies

Mixed polycycloaliphatic amines was tested in rats for systemic effects in a subchronic (28-day) oral study at doses ranging from 15 to 300 mg/kg/day. Effects seen at 300 mg/kg/day included decreased survival, decreased body weight gain, increased liver, kidney, and adrenal weights and histological changes in the liver, kidney, adrenals and spleen. The No-Observed-Adverse-Effect-Level (NOAEL) was 15 mg/kg/day., Rats exposed orally to 800 mg/kg benzyl alcohol for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No Observed Adverse Effect Level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in a two-year study with rats and mice.

12. Ecological Information

Ecotoxicity effects		
Aquatic toxicity	Data	Species
Toxicity to fish - Components		
Benzyl alcohol	LC50 (96 h) : 10 mg/l	Bluegill sunfish (Lepomis macrochirus)
Benzyl alcohol	LC50 (96 h) : 460 mg/l	Fathead minnow (Pimephales promelas)
Methylenebiscyclohexanamine, 4,4'	LC0 (96 h) : 46 mg/l	Golden orfe (Leuciscus idus).
Methylenebiscyclohexanamine, 4,4'	LC50 (96 h) : > 100 mg/l	Golden orfe (Leuciscus idus).
Toxicity to daphnia – Components		
Methylenebiscyclohexanamine, 4,4'	EC50 (48 h) : 6.84 mg/l	Daphnia magna
Toxicity to algae – Components		
Benzyl alcohol	IC50 (72 h) : 700 mg/l	Algae
Methylenebiscyclohexanamine, 4,4'	EC50 (72 h) : 140 - 200 mg/l	Algae
Toxicity to other organisms	No data available	
Persistence and degradability		
Biodegradability:	No data is available on the product itself	
Mobility:	No data available	
Bioaccumulation:	No data is available on the product itself	
Bioaccumulation - Components		
Benzyl alcohol:	Methyleneoxide, polymer with benzenamin	ne, hydrogenated Does not bioaccumulate.

13. Disposal Considerations

Waste from residues/unused products:	Disposal of container and unused contents in accordance with Federal, State and Local Regulations
Contaminated packaging:	Disposal of container and unused contents in accordance with Federal, State and Local Regulations

14.Transport Information

DOT:	Not dangerous goods
IATA:	Not dangerous goods
IMDG:	Not dangerous goods
TDG:	Not dangerous goods

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15. Regulatory Information

Toxic Substance Control Act (TSCA) 12(b) Component(s): None.USA: regulatory list:TSCA, included on inventoryCanada: regulatory list:DSL, not on inventory

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification Acute 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 State of California to cause cancer, birth defects or any other harm.

WHMIS Ingredient Disclosure List. WHMIS Trade Secret Registry Number(s) 5017 Grant date 1/4/2005

16. Other Information

HMIS Rating	
Health:	2
Flammability:	1
Physical hazard:	0

Revision Date:

August 14, 2019

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