SAFETY DATA SHEET

DATE ISSUED :	4/21/2023
SDS REF. No :	N-9390A/BDR MIXED

Black LG Epoxy
AS MIXED 4 TO 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Black LG Epoxy
AS MIXED 4 TO 1
PRODUCT CODE: N-9390A/BDR MIXED
PRODUCT USE: Refer to TDS and product label.

MANUFACTURER
NCP Coatings, LLC
225 Fort Street
Niles, MI,
269-683-3377

24 HR. EMERGENCY TELEPHONE NUMBER
CHEMTREC (US Transportation): (800)424-9300
CHEMTREC (International Transportation) : 1(202)483-7616

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE : Liquid
IMMEDIATE CONCERNS : Highly flammable liquid and vapor

CLASSIFICATION : Flammable Liquid 2, Skin Irritant 2, Eye Damage 2, Skin Sensitizer 1, STOT SE 3, STOT RE 2

PICTOGRAMS

SIGNAL WORD : Danger

GHS HAZARD STATEMENTS : H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.
H319 Causes serious eye irritation.

GHS PRECAUTIONARY STATEMENTS : P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P262 Do not get in eyes, on skin, or on clothing.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P270 Do not eat, drink or smoke when using this product.
P284 (In case of inadequate ventilation) wear respiratory protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position 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.
P370 + P378 In case of fire: Use appropriate method to extinguish. See Section 5 of SDS.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.
P342 + P313 If experiencing respiratory symptoms: Get medical advice / attention.
P501 Dispose of contents/container in accordance with local/national/international regulations.
P363 Wash contaminated clothing before reuse.
P271 Use only outdoors or in a well-ventilated area.
P240 Ground/bond container and receiving equipment.
P403 + P235 Store in a well-ventilated place. Keep cool.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt %	CAS Number	GHS
Bisphenol A Diglycidyl Ether	15-20%	25036-25-3	H317 May cause an allergic skin reaction.
Methyl Acetate	15-20%	79-20-9	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritatin. H335 May cause respiratory irritatin. H336 May cause drwsiness or dizziness.
1-Methoxy-2-Propanol	5-10%	107-98-2	H226 Flammable liquid and vapor. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H360 May damage fertility or the unborn child.
Epoxy Resin	1-5%	25068-38-6	H317 May cause an allergic skin reaction. H335 May cause repiratory irritation.
Methyl Isoamyl Ketone	1-5%	110-12-3	H226 Flammable liquid and vapor. H332 Harmful if inhaled.
t-Butyl Acetate	1-5%	540-88-5	H225 Highly flammable liquid and vapor. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

			H402 Harmful to aquatic life., ,
Carbon Black	3.76	1333-86-4	Not sufficient for classification.
Methyl-n-Amyl Ketone	1-5%	110-43-0	H226 Flammable liquid and vapor. H302 Harmful if swallowed. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.
*1-Butanol	1.95	71-36-3	H226 Flammable liquid and vapor. H302 Harmful if swallowed. H315 Causes skin irritatin. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. HMay cause drowsiness or dizziness.
Butyl Acetate	1-5%	123-86-4	H226 Flammable liquid and vapor. H336 May cause drowsiness or dizziness.
*Zinc Compound	0.376	60580-61-2	

* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

4. FIRST AID MEASURES

EYES : Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

SKIN : Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated shoes and clothes and clean before reuse.

INGESTION : DO NOT induce vomiting. Get medical attention immediately.

INHALATION : Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

SYMPTOMS : May cause drowsiness or dizziness.

EFFECTS : Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Water mist or fog, dry chemical, foam, carbon dioxide.

FIRE FIGHTING PROCEDURES : As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Use water with

caution. Material will float and may ignite on surface of water. Water may be ineffective in fighting the fire. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike collect water used to fight fire. Small fires: carbon dioxide or dry chemical. Large fire: alcohol-type aqueous film-forming foam or water spray.

UNUSUAL FIRE AND EXPLOSION HAZARD : Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

COMBUSTION PRODUCTS : During combustion carbon monoxide and/or carbon dioxide may be formed.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL : Eliminate all sources of ignition. Provide good ventilation and minimize the breathing of vapors and avoid skin contact. Dike spill area and absorb the spilled liquid with earth, sawdust or a commercially available absorbent. Shovel spent absorbent into recovery or salvage drums for appropriate disposal.

LARGE SPILL : Wear appropriate personal protective equipment. Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use only non-combustible material for cleanup. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand, earth or sawdust), then place in a chemical waste collector.

EMERGENCY PRECAUTIONS : Eliminate ignition sources. Avoid large exposures to vapors.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING : Use only in a well ventilated area. Avoid breathing vapor, fumes, or mist. Avoid contact with eyes, skin, and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all SDS/label precautions even after containers are emptied because they may retain product residues.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES : Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

EXPOSURE LIMITS

Components	CAS	Limits
Bisphenol A Diglycidyl Ether	25036-25-3	OSHA PEL: 15 mg/m3 TWA ACGIH TLV: 10 mg/m3 TWA
Methyl Acetate	79-20-9	OSHA TWA 200 PPM ACGIH PEL 200 PPM
1-Methoxy-2-Propanol	107-98-2	ACGIH TLV 100 PPM TWA

		OSHA PEL 100 PPM TWA
Epoxy Resin	25068-38-6	OSHA PEL NE ACGIH TLV NE
Methyl Isoamyl Ketone	110-12-3	ACGIH TLV: 50 PPM OSHA PEL: 50 PPM
t-Butyl Acetate	540-88-5	OSHA PEL: 200 PPM TWA ACGIH TLV: 200 PPM TWA
Carbon Black	1333-86-4	OSHA PEL: 3.5 mg/m3 TWA ACGIH TLV: 3.5 mg/m3 TWA
Methyl-n-Amyl Ketone	110-43-0	ACGIH TLV 50 PPM TWA OSHA PEL 100 PPM TWA
*1-Butanol	71-36-3	ACGIH TLV 50 PPM TWA OSHA PEL 50 PPM TWA
Butyl Acetate	123-86-4	ACGIH TLV 150 PPM TWA OSHA PEL 150 PPM TWA
*Zinc Compound	60580-61-2	ACGIH TLV NE OSHA PEL NE

OSHA TABLE COMMENTS:
NE = Not Established

ENGINEERING CONTROLS : Engineering controls should be in place to minimize exposure to vapors and any ignition sources.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE : Wear safety glasses with side shields, goggles, or a face shield.

SKIN : Wear impervious gloves to prevent contact with skin. Wear protective gear as needed - apron, suit, boots.

RESPIRATORY : NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

WORK HYGIENIC PRACTICES : Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

OTHER USE PRECAUTIONS : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Liquid

ODOR : Typical

ODOR THRESHOLD : Not determined.

pH : Not determined.

MELTING POINT/FREEZING POINT: Not determined.

INITIAL BOILING POINT : 135 F **BOILING RANGE:** Not determined.

FLASH POINT AND METHOD : 18ºF(-8ºC)
SETAFLASH CLOSED CUP

EVAPORATION RATE: Not determined.

FLAMMABILITY (SOLID,GAS): Not determined.

EXPLOSIVE LIMITS : 1.05 TO 16

VAPOR PRESSURE : Not determined.

VAPOR DENSITY : Heavier than air

SPECIFIC GRAVITY : 1.2755932

SOLUBILITY: Not determined.

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not determined.

AUTO-IGNITION TEMPERATURE : Not determined.

DECOMPOSITION TEMPERATURE: Not determined.

VISCOSITY: Semi-viscous.

VOC EPA METHOD 24 : 2.8159672 **lb/gal**

10. STABILITY AND REACTIVITY

STABILITY : No information available.

CONDITIONS TO AVOID : Avoid impact, friction, heat, sparks, flame and source of ignition.

INCOMPATIBLE MATERIALS : Prevent contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: During combustion carbon monoxide and/or carbon dioxide may be formed.

HAZARDOUS POLYMERIZATION : No information available.

11. TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE :

ACUTE EFFECTS :

EYE : Causes severe eye irritation.

SKIN : Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INHALATION : Vapors are irritating to nasal passages and throat. High concentrations can cause stupor and headaches. May cause dizziness and drowsiness.

INGESTION : Irritating to mouth, throat, and stomach. May cause headache. May cause dizziness and drowsiness and/or stupor.

CHRONIC EFFECTS : Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Contact

ACUTE TOXICITY VALUES : The acute effects of this product have not been tested. Data on individual components are listed below.

1-Butanol(71-36-3)
Oral LD50: >790 mg/kg
Dermal LD50: >3400 mg/kg
Vapor LC50: >20 mg/L
1-Methoxy-2-Propanol(107-98-2)
Oral LD50:>4016 mg/kg
Dermal LD50:>2000 mg/kg
Vapor LC50:>27.596 mg/L
Bisphenol A Diglycidyl Ether(25036-25-3)
Oral: Rat LD50: > 2.000 mg/kg
Dermal: Rat LD50: > 2,000mg/kg
Butyl Acetate(123-86-4)
Oral LD50: >14,130 mg/kg
Dermal LD50:>160,000
Vapor LC50: >20.0 mg/L
Carbon Black(1333-86-4)
Oral LD50: >8000 mg/kg
Epoxy Resin(25068-38-6)
Oral LD50: Rat: 11,400 mg/kg
Dermal LD50: Rat: 2,000 mg/kg
Methyl Acetate(79-20-9)
Oral LD-50:(Rat):6,482 mg/kg
Dermal LD-50: (Rabbit):>2,000 mg/kg
LC50 (Rat, 4h): >49 mg/L
Methyl Isoamyl Ketone(110-12-3)
Oral LD-50:(Rat):5.657 mg/kg
Dermal LD-50 (Guinea Pig):>10 ml/kg
NOEL (Rat, Oral Study, 90 d): 200 ppm
Methyl-n-Amyl Ketone(110-43-0)

Oral LD50:>1600 mg/kg
Dermal LD50: >2000 mg/kg
Vapr LC50: >16.7 mg/L
t-Butyl Acetate(540-88-5)
Oral LD50: 4,500 mg/kg
Inhalation LC50: 12.52 mg/l
Dermal LD50:>2,000 mg/kg

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Information not available on mixture. Information on individual components is listed below if available.

1-Butanol(71-36-3)
No information
1-Methoxy-2-Propanol(107-98-2)
No Information available.
Bisphenol A Diglycidyl Ether(25036-25-3)
No information available.
Butyl Acetate(123-86-4)
No information available
Carbon Black(1333-86-4)
Acute algae EC50: >10,000 mg/L
Acute fish LC50>1000 mg/L
Acute water flea EC50:>5600 mg/L
Epoxy Resin(25068-38-6)
Acute LC50: 1.3 mg/l 203 Fish 96 h
Actue EC50 2.1 mg/l Daphnia4 48h
Acute NOEC 0.3 mg/1 Daphnia 21 d
Acute LC50>11 mg/l Algae 72 h
Methyl Acetate(79-20-9)
LC-50 (Fathead Minnow, 96 h): 320-399 mg/l
EC-50 (daphnid, 48 h): 1,027 mg/l
EC-50 (Selenastrum capiricomutum,72 h):>120 mg/.
Biodegradation 70% (28d)
Methyl Isoamyl Ketone(110-12-3)
LC-50 (Fish, 96h): 159 mg/l
EC-50 (Alga, 72 h):>100 mg/l (highest concentration tested)
67% (28 d, Ready Biodegradability: Closed Bottle Test) Readily biodegradable
Methyl-n-Amyl Ketone(110-43-0)
No Information available.
t-Butyl Acetate(540-88-5)
Harmful to aquatic life.
High concentrations may be harmful to sewage treatment plant microbes
Inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD : Dispose of waste in accordance with all local, state, and federal regulations.

14. TRANSPORT INFORMATION

UN NUMBER/ PROPER SHIPPING NAME/ TRANSPORT HAZARD CLASS/ PACKING GROUP :

15. REGULATORY INFORMATION

REGULATORY OVERVIEW: The regulatory data in section 15 is not intended to be all-inclusive, only selected regulations are represented.

TSCA: All components of this material are either listed or exempt from listing on the TSCA Inventory. This material contains no substances that are subject to TSCA 12(b) export notification.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312/313 REPORTABLE INGREDIENTS: See Section 3.

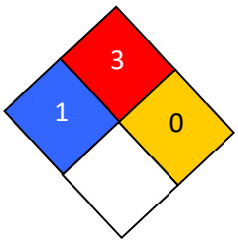
EPA HAZARDS:
FIRE : Yes **PRESSURE GENERATING :** No
REACTIVITY : No **ACUTE :** Yes **CHRONIC :** Yes

DSL: All components of this material are on or exempt from listing on the Canadian Domestic Substances List(DSL).

16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	3
Reactivity :	0
Personal Protection :	G

NFPA CODES



HMIS and NFPA rating scale: (0=minimal hazard; 4=severe hazard)

REVISION INDICATOR : 1/31/23

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