

SAFETY DATA SHEET



DATE ISSUED :	7/12/2019
SDS REF. No :	N-7934A

Charcoal H/S Epoxy MS37.30

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Charcoal H/S Epoxy
MS37.30
PRODUCT CODE: N-7934A
PRODUCT USE: Refer to TDS and product label.

MANUFACTURER
NCP Coatings
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.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure.

GHS PRECAUTIONARY STATEMENTS : P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
 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 continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
 P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.
 P342 + P313 If experiencing respiratory symptoms: Get medical advice / attention.
 P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P284 (In case of inadequate ventilation) wear respiratory protection.
 P363 Wash contaminated clothing before reuse.
 P501 Dispose of contents/container in accordance with local/national/international regulations.
 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.
 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.
*4-Methyl-2-pentanone	11.94	108-10-1	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H332 Harmful if inhaled. May cause respiratory irritation.
Titanium Dioxide	9.02	13463-67-7	Conclusive but not sufficient for classification.
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	5-10%	25068-38-6	H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.
*Mixed Xylenes	4.39	1330-20-7	H226 Flammable liquid and vapor. H315 Causes skin irritation.

			H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.
Ethyl Benzene	0.77	100-41-4	H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure..
Carbon Black	0.56	1333-86-4	Not sufficient for classification.
*Zinc Compound	0.557	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/m ³ TWA ACGIH TLV: 10 mg/m ³ TWA
*4-Methyl-2-pentanone	108-10-1	OSHA PEL 50 PPM TWA ACGIH TLV 50 PPM TWA
Titanium Dioxide	13463-67-7	OSHA PEL 10 mg/m ³ TWA Total Dust ACGIH TLV 10 mg/m ³ Total Dust
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
*Mixed Xylenes	1330-20-7	ACGIH TLV 100 PPM TWA OSHA PEL 100 PPM TWA
Ethyl Benzene	100-41-4	ACGIH TLV 100 PPM TWA OSHA PEL 100 PPM TWA
Carbon Black	1333-86-4	OSHA PEL: 3.5 mg/m ³ TWA ACGIH TLV: 3.5 mg/m ³ 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 : 237.0 F **BOILING RANGE:** Not determined.

FLASH POINT AND METHOD : 68°F(20°C)
SETAFLASH CLOSED CUP

EVAPORATION RATE: Not determined.

FLAMMABILITY (SOLID,GAS): Not determined.

EXPLOSIVE LIMITS : .8 TO 12.0

VAPOR PRESSURE : Not determined.

VAPOR DENSITY : Heavier than air

SPECIFIC GRAVITY : 1.5065300

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 : 3.0583842 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.

CAS Number	TEST
25036-25-3	Oral: Rat LD50: > 2.000 mg/kg, Dermal: Rat LD50: > 2,000mg/kg,
108-10-1	Oral LD50:>2,080 mg/kg, Dermal LD50:>2,000 mg/kg, Vapor LC50: 16.4 mg/L,
13463-67-7	Vapor LC50: >6.82lg/L Rat, Dermal LD50: >10,000 mg/kg Rabbit, Oral LD50: >5,000 mg/kg Rat,
107-98-2	Oral LD50:>4016 mg/kg, Dermal LD50:>2000 mg/kg, Vapor LC50:>27.596 mg/L,
25068-38-6	Oral LD50: Rat: 11,400 mg/kg, Dermal LD50: Rat: 2,000 mg/kg,
1330-20-7	Oral LD50: >3523 mg/kg, Dermal LD50: >4200 mg/kg, Vapor LC50: >20 mg/L,
100-41-4	Oral LD50: 3500 mg/kg, Dermal LD50: 15433 mg/kg, Vapor LC50: >20 mg/L,
1333-86-4	Oral LD50: >8000 mg/kg
60580-61-2	

12. ECOLOGICAL INFORMATION

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

CAS Number	TEST
25036-25-3	No information available.
108-10-1	No information available

13463-67-7	96h LC50: >1,000 mg/L (fathead minnow), 72h EC50: 61 mg/L (green algae), 48h EC50: >1,000 gm/L (water flea),
107-98-2	No Information available.
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,
1330-20-7	No information available.
100-41-4	No information available
1333-86-4	Acute algae EC50: >10,000 mg/L, Acute fish LC50>1000 mg/L, Acute water flea EC50:>5600 mg/L,
60580-61-2	

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 : UN1263;PAINT;3;II

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:

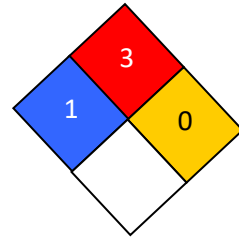
FIRE : Yes **PRESSURE GENERATING :** No
REACTIVITY : No **ACUTE :** Yes **CHRONIC :** Yes

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 : 9/25/18

MANUFACTURER DISCLAIMER : The foregoing data has been compiled from sources which the company, in good faith, believes to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others. User should consult OSHA and other applicable safety laws and regulations before use.

SAFETY DATA SHEET



DATE ISSUED :	5/24/2019
SDS REF. No :	N-1981B

DynaSpec Catalyst Component MIL-DTL-53022E Type II

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DynaSpec Catalyst Component
MIL-DTL-53022E Type II
PRODUCT CODE: N-1981B
PRODUCT USE: Refer to TDS and product label.

MANUFACTURER
NCP Coatings
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 : Flammable liquid and vapor.

CLASSIFICATION : Acute Tox. 4, Flammable Liquid 3, Skin Corr. 1C, STOT SE 3

PICTOGRAMS



SIGNAL WORD : Warning

GHS HAZARD STATEMENTS : H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

GHS PRECAUTIONARY STATEMENTS : P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

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 continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.

P342 + P313 If experiencing respiratory symptoms: Get medical advice / attention.

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P262 Do not get in eyes, on skin, or on clothing.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 (In case of inadequate ventilation) wear respiratory protection.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with local/national/international regulations.

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.

P403 + P235 Store in a well-ventilated place. Keep cool.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt %	CAS Number	GHS
*4-Methyl-2-pentanone	33.43	108-10-1	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H332 Harmful if inhaled. May cause respiratory irritation.
Bisphenol A Diglycidyl Ether	20-25%	25036-25-3	H317 May cause an allergic skin reaction.
*1-Butanol	17.09	71-36-3	H226 Flammable liquid and vapor. H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. HMay cause drowsiness or dizziness.
1-Methoxy-2-Propanol	10-15%	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.
Ethyleneamine Mixture	5-10%	111-40-0	H320 Causes eye irritation. H371 May cause damage to organs.

			H373 May cause damage to organs through prolonged or repeated exposure. Toxic if inhaled.
*Mixed Xylenes	5.55	1330-20-7	H226 Flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.
Ethyl Benzene	0.98	100-41-4	H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure..

* 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 : Severe eye, skin, and respiratory irritant.

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 toxic vapors may be released. Under fire conditions, corrosive fumes and toxic vapors may be emitted.

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
*4-Methyl-2-pentanone	108-10-1	OSHA PEL 50 PPM TWA ACGIH TLV 50 PPM TWA
Bisphenol A Diglycidyl Ether	25036-25-3	OSHA PEL: 15 mg/m ³ TWA ACGIH TLV: 10 mg/m ³ TWA
*1-Butanol	71-36-3	ACGIH TLV 50 PPM TWA OSHA PEL 50 PPM TWA
1-Methoxy-2-Propanol	107-98-2	ACGIH TLV 100 PPM TWA

		OSHA PEL 100 PPM TWA
Ethyleneamine Mixture	111-40-0	ACGIH TLV 1 PPM TWA OSHA PEL 1 PPM TWA
*Mixed Xylenes	1330-20-7	ACGIH TLV 100 PPM TWA OSHA PEL 100 PPM TWA
Ethyl Benzene	100-41-4	ACGIH TLV 100 PPM TWA OSHA PEL 100 PPM TWA

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 : 237.0 F **BOILING RANGE:** Not determined.

FLASH POINT AND METHOD : 68°F(20°C)
SETAFLASH CLOSED CUP

EVAPORATION RATE: Not determined.

FLAMMABILITY (SOLID,GAS): Not determined.

EXPLOSIVE LIMITS : .8 TO 16.1

VAPOR PRESSURE : Not determined.

VAPOR DENSITY : Heavier than air

SPECIFIC GRAVITY : 0.9016074

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 : 5.1498750 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 reactive metals, acids, peroxides, and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: During thermal decomposition, toxic gasses, corrosive gasses, and nitrogen oxides 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. Can burn skin. 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.

CAS Number	TEST
108-10-1	Oral LD50:>2,080 mg/kg, Dermal LD50:>2,000 mg/kg, Vapor LC50: 16.4 mg/L,
25036-25-3	Oral: Rat LD50: > 2.000 mg/kg, Dermal: Rat LD50: > 2,000mg/kg,
71-36-3	Oral LD50: >790 mg/kg, Dermal LD50: >3400 mg/kg, Vapor LC50: >20 mg/L,
107-98-2	Oral LD50:>4016 mg/kg, Dermal LD50:>2000 mg/kg, Vapor LC50:>27.596 mg/L,
111-40-0	Oral LD50:>12,565 mg/kg, Dermal LD50:>13,330 mg/kg, Vapor LC50:>4.4 mg/L,
1330-20-7	Oral LD50: >3523 mg/kg, Dermal LD50: >4200 mg/kg, Vapor LC50: >20 mg/L,
100-41-4	Oral LD50: 3500 mg/kg, Dermal LD50: 15433 mg/kg, Vapor LC50: >20 mg/L,

12. ECOLOGICAL INFORMATION

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

CAS Number	TEST
108-10-1	No information available
25036-25-3	No information available.
71-36-3	No information
107-98-2	No Information available.
111-40-0	No information available.

1330-20-7	No information available.
100-41-4	No information available

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
 : UN1263;PAINT RELATED MATERIAL;3;III;
 LTD QTY

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:

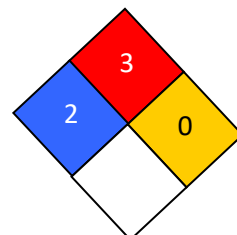
FIRE : Yes **PRESSURE GENERATING** : No
REACTIVITY : No **ACUTE :** Yes **CHRONIC :** Yes

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 : 9/25/18

MANUFACTURER DISCLAIMER : The foregoing data has been compiled from sources which the company, in good faith, believes to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others. User should consult OSHA and other applicable safety laws and regulations before use.