

# HULK SYSTEMS EPOXY

## PART A - RESIN



### SECTION 1: IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

Trade name  
Chemical name

Hulk Systems Epoxy Resin Part "A"  
Bisphenol A Diglycidyl Ether Resin Solution

#### 1.2 RECOMMENDED USE OF THE PRODUCT AND RESTRICTIONS ON USE

Recommended use  
Non- recommended use(s)

Industrial Use, Raw material for Coatings for concrete floors  
None known

#### 1.3 DETAILS OF THE SUPPLIER ON THE SAFETY DATA SHEET

Company  
Website

Hulk Systems Inc.  
4209 Brandon Street SE  
Calgary, Alberta T2G 4A7  
www.hulksystems.com

#### 1.4 EMERGENCY TELEPHONE NUMBER

Emergency In case of emergency call CANUTEC

613-996-6666

### SECTION 2: HAZARD IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE MIXTURE

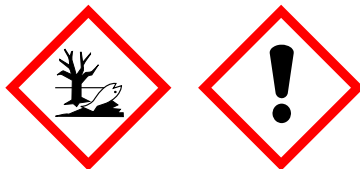
##### Health Hazards

Skin irritation  
Eye Irritation

Category 2B

#### 2.2. GHS LABEL ELEMENTS

##### Hazard Symbols:



Signal Word: **Warning**

##### Hazard Statements:

- Causes eye irritation
- Causes skin irritation
- May cause an allergic skin reaction
- Toxic to aquatic life with long lasting effects

# HULK SYSTEMS EPOXY

## PART A - RESIN



### Precautionary Statements:

- Wear protective gloves/ protective clothing/ eye protection/ face protection
- Use only outdoors or in a well-ventilated area
- Avoid release to the environment

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 MIXTURES

#### Polyaspartic coating Part A

HAZARDOUS INGREDIENTS	CAS#	%(WEIGHT)
Bisphenol A Diglycidyl Ether Resin	25068-38-06	75-95

## SECTION 4: FIRST-AID MEASURES

### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. If eye irritation persists: Get medical attention.

### Skin contact

Wash with soap and water or use waterless hand cleaners. Do not use solvents or thinners to clean skin. Get medical attention if irritation persists.

### Inhalation contact

Should symptoms develop, remove victim to fresh air. If breathing is difficult, qualified personnel may administer oxygen. If victim is not breathing start artificial respiration. Get medical attention.

### Ingestion contact

Give liquids if victim is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician. Immediately call POISON CENTER/ Doctor.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

**Suitable extinguishing media** Dry chemical, CO2, water spray or regular foam.

**Spray Unsuitable extinguishing media** Full water jet, because this may spread the fire.

# HULK SYSTEMS EPOXY

## PART A - RESIN



### 5.2 HAZARDS

- Flammable properties and hazards: Product is not considered a fire hazard. Containers can build up pressure if exposed to heat.
- Hazardous combustion products: Hazardous decomposition products formed under fire conditions are carbon dioxide and carbon monoxide.

### 5.3 FIRE-FIGHTING INSTRUCTIONS

Do not inhale combustion gases. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES.

Use personal protective equipment. Wear chemical safety glasses, rubber boots and heavy rubber gloves. Ensure adequate ventilation.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, waterways, sewers, basements or confined areas. Do not discharge into the subsoil / soil. Absorb spills with inert material and place in a chemical waste container.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid all personal contact. Use personal protective equipment. Use adequate ventilation.

### 7.2 HYGIENE CONSIDERATIONS

Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Wash contaminated clothes before reuse. Do not eat, drink or smoke when handling this product.

### 7.3 SAFE STORAGE PROCEDURES

Keep away from heat. Keep containers tightly closed in a dry well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 EXPOSURE LIMITS

HAZARDOUS COMPONENTS (CHEMICAL NAME)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMIT
Bisphenol A Diglycidyl Ether Resin	25068-38-6	No data	No data	No data

# HULK SYSTEMS EPOXY

## PART A - RESIN



### 8.2 EXPOSURE CONTROLS

#### ENGINEERING CONTROLS

Good general ventilation should be sufficient to control airborne levels.

#### PERSONAL PROTECTIVE EQUIPMENT

##### Respiratory Equipment

Normally when good engineering controls are used, no respiratory protection is needed.

##### Eye Protection

Use tightly fitting chemical splash goggles. Wear face protection wear as appropriate.

##### Hand Protection

Use impermeable gloves. Neoprene gloves.

##### Body Protection

Use impervious clothing and chemical resistant boots. Consider using resistant coveralls and aprons, if extensive exposure is possible.

##### Other Protective Equipment

Ensure that eyewash stations and safety showers are close to the workstation location.

##### General Hygiene Consideration

Do not breathe mist or vapor. Avoid all contact. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothes home.

##### Environmental Exposure Controls

Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	Not applicable
Vapor Density	Not applicable
Boiling Point	Not applicable
PH	Not applicable
Specific Gravity	1.0 – 1.2 g/cm <sup>3</sup>
Viscosity	2500 cP
VOC content	0
Evaporation rate	Slower than n-Butyl Acetate
Solubility in water	Negligible
Other properties	Clear, slightly yellow liquid

### SECTION 10: STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Hazardous Polymerization</b>	Will not occur under normal conditions
<b>Conditions to avoid</b>	High temperatures
<b>Incompatibility with other materials</b>	Oxidizing materials, acid, alkalis, peroxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 TOXICOLOGICAL INFORMATION

May cause sensitization by skin contact.

#### 11.2 CHRONIC TOXICOLOGICAL EFFECTS

Skin sensitization.

#### 11.3 IRRITATION OR CORROSION

Skin irritation. Irritating to eyes.

#### 11.4 SYMPTOMS RELATED TO TOXICOLOGICAL CHARACTERISTICS

Skin irritation. Slight irritant to eyes.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 GENERAL ECOLOGICAL INFORMATION

Avoid release to the environment. Toxic to aquatic life with long lasting effects.

#### 12.2 ECOTOXICITY

Toxic to aquatic organisms (LC50 between 1 and 10 mg/L).

#### 12.3 PERSISTENCE AND DEGRADABILITY

Not readily biodegradable.

#### 12.4 BIOACCUMULATION POTENTIAL

No data available.

#### 12.5 MOBILITY IN SOIL

Not reported, unknown.

# HULK SYSTEMS EPOXY

## PART A - RESIN



### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state, and federal regulations. Do not discharge substance/product into sewage system.

### SECTION 14: TRANSPORTATION INFORMATION

<b>UN number</b>	Not Regulated
<b>Shipping Name</b>	Epoxy Resin
<b>Hazard Class</b>	Not applicable
<b>Packing Group</b>	Not applicable
Transport over land ADR/RID	Not regulated for transport
Transport over sea IMDG	Not regulated for transport
Transport over air ICAO/IATA	Not regulated for transport

### SECTION 15: OTHER INFORMATION

<b>Preparation Date</b>	June 2nd, 2017
<b>MSDS prepared by</b>	Hulk Systems Inc.

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# HULK SYSTEMS EPOXY

## PART B - HARDENER



### SECTION 1: IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

Trade name  
Chemical name

Hulk Systems Epoxy Hardener Part "B"  
Blend of Phenols and Amines

#### 1.2 RECOMMENDED USE OF THE PRODUCT AND RESTRICTIONS ON USE

Recommended use  
Non- recommended use(s)

Industrial Use  
None known

#### 1.3 DETAILS OF THE SUPPLIER ON THE SAFETY DATA SHEET

Company  
Website

Hulk Systems Inc.  
4209 Brandon Street SE  
Calgary, Alberta T2G 4A7  
www.hulksystems.com

#### 1.4 EMERGENCY TELEPHONE NUMBER

Emergency In case of emergency call CANUTEC 613-996-6666

### SECTION 2: HAZARD IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE MIXTURE

##### Health Hazards

Acute Toxicity Oral	Category 4
Acute Toxicity Dermal	Category 3
Skin Corrosion / Irritation	Category 1B
Eye Damage / Eye Irritation	Category 1
Acute Aquatic Toxicity	Category 1
Chronic Aquatic Toxicity	Category 2

#### 2.2 LABEL ELEMENTS

##### Hazard Symbols:



Signal Word: **Danger**

##### Hazard Statements:

- Harmful if swallowed
- Toxic in contact with skin

# HULK SYSTEMS EPOXY

## PART B - HARDENER



- Causes severe skin burns and eye damage
- May cause an allergic skin reaction
- Harmful if inhaled
- May cause respiratory irritation
- Harmful to aquatic life with long lasting effects

### Precautionary Statements:

- Wear protective gloves/ protective clothing/ eye protection/ face protection.
- Use only outdoors or in a well-ventilated area.
- Do not eat, drink, or smoke when using this product.
- Wash with plenty of water and soap thoroughly after handling.
- Avoid release to the environment.
- Avoid breathing fumes/ vapors/ spray.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 MIXTURES

#### Flexible Interior Epoxy / HARDENER

HAZARDOUS INGREDIENTS	CAS#	%(WEIGHT)
Nonylphenol	84852153	30 – 70
Polyoxyalkyleneamine	90-46-100	10 – 40
Isophoronediamine	3236-53-1	10 – 40
N-Aminoethylpiperazine	140-31-8	5 – 25

## SECTION 4: FIRST-AID MEASURES

### Eye contact

Small amounts splashed into the eyes can cause irreversible tissue damage and blindness. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. If eye irritation persists: get medical attention. Continue rinsing eyes during transport to hospital. Protect unharmed eye. Keep eye wide open while rinsing.

### Skin contact

If on skin or hair, take off immediately all contaminated clothing and shoes. Rinse skin, washing thoroughly with soap and water. Do not use solvents or thinners to clean skin. Get medical attention if irritation persists. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.

### Inhalation contact

If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

# HULK SYSTEMS EPOXY

## PART B - HARDENER



### Ingestion contact

Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician. Do not give milk or alcoholic beverages. Immediately call a POISON CENTER / Doctor.

## SECTION 5: MEASURES

### 5.1 EXTINGUISHING MEDIA

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Unsuitable extinguishing media** Full water jet, because this may spread the fire.

### 5.2 HAZARDS

#### Flammable properties and hazards

Product is not considered a fire hazard. Containers can build up pressure if exposed to heat.

#### Hazardous combustion products

Hazardous decomposition products formed under fire conditions are carbon dioxide, carbon monoxide, and nitrogen oxides. Phenol and other toxic vapors may be generated.

#### Specific hazards during fire-fighting

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

### 5.4 FIRE-FIGHTING INSTRUCTIONS

Do not inhale combustion gases. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES.

Use personal protective equipment. Wear chemical safety glasses, rubber boots and heavy rubber gloves. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, waterways, sewers, basements or confined areas. Do not discharge into the subsoil / soil. Absorb spills with inert material and place in a chemical waste container. If the product contaminates rivers and lakes or drains inform the respective authorities.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid all personal contact. Use personal protective equipment. Use adequate ventilation. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.

### 7.2 HYGIENE CONSIDERATIONS.

Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Wash contaminated clothes before reuse. Do not eat, drink or smoke when handling this product. Remove contaminated clothing and protective equipment before entering eating areas.

### 7.3 SAFE STORAGE PROCEDURES

Keep away from heat. Keep containers tightly closed in a dry, well ventilated place. Empty containers retain product residue and can be hazardous.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 EXPOSURE LIMITS

HAZARDOUS COMPONENTS (CHEMICAL NAME)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMIT
Nonylphenol	84852153	No data	No data	No data
Polyoxyalkyleneamine	90-46-100	No data	No data	No data
Isophoronediamine	3236-53-1	No data	No data	No data
N-Aminoethylpiperazine	140-31-8	No data	No data	No data

### 8.2 EXPOSURE CONTROLS

#### ENGINEERING CONTROLS

Use local exhaust ventilation to maintain airborne concentrations at safe levels. Suitable respiratory equipment should be used in cases of insufficient ventilation or where demand it.

#### PERSONAL PROTECTIVE EQUIPMENT

##### Respiratory Equipment

Wear a NIOSH-certified (or equivalent) organic vapour and ammonia/particulate respirator.

##### Eye Protection

Use tightly fitting chemical splash goggles. Wear face shield if splashing hazard exists.

##### Hand Protection

Use impermeable gloves. Neoprene or butyl-rubber gloves.

##### Body Protection

Use impervious clothing and chemical resistant boots. Consider using resistant coveralls and aprons, if extensive exposure is possible.

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## PART B - HARDENER



### Other Protective Equipment

Ensure that eyewash stations and safety showers are close to the workstation location.

### General Hygiene Consideration

Do not breathe mist or vapor. Avoid all contact. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothes home.

### Environmental Exposure Controls

Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid (oily liquid).
Color	Clear, slightly yellow.
Odor	Ammonia-like.
Boiling Point	Not applicable
Freezing Point	Not applicable
Flash Point	Not applicable
PH	10
Specific Gravity	1.0 – 1.2 g/cm <sup>3</sup>
Viscosity	2500 cP
VOC content	0
Evaporation rate	Slower than n-Butyl Acetate
Solubility in water	Negligible
Vapour pressure	Not applicable
Vapour density	Not applicable
Auto ignition Point	Not applicable

### SECTION 10: STABILITY AND REACTIVITY

#### Chemical Stability

Stable under normal conditions.

#### Hazardous Polymerization

Will not occur under normal conditions.

#### Conditions to avoid

High temperatures, direct sunlight.

#### Incompatible Materials

Strong oxidizing agents, acids, halogenated compounds, ammonia, carbon monoxide, carbon dioxide, aldehydes, ketones. Reacts also with copper, aluminum, zinc, and their alloys.

#### Hazardous decomposition products

None known.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 ACUTE TOXICITY

INGREDIENT NAME	TEST	SPECIES	RESULT	EXPOSURE
<b>Nonyl Phenol</b>	LD50 Dermal	Rabbit	2140 mg/kg	
	LD50 Ora	Rat	580 mg/kg	
	Sub-acute NOAEL Oral	Rat	100 mg/kg	28 days
	Sub-acute NOAEL Oral	Rat	50 mg/kg	28 days
<b>Polyoxyalkyleneamine</b>	LD50 Dermal	Rabbit	2980 mg/kg	
	LD50 Oral	Rat	2885 mg/kg	
<b>Isophoronediamine</b>	LD50 Oral	Rat	1030 mg/kg	
	Dermal	-	No data available	
<b>N-Aminoethylpiperazine</b>	LD50 Oral	Rat	2000 – 5000 mg/kg	
	LD50 Dermal	Rabbit	200 – 1000 mg/kg	

# HULK SYSTEMS EPOXY

## PART B - HARDENER



### 11.2 SKIN CORROSION AND / OR IRRITATION

<b>Nonylphenol</b>	Corrosive to the skin. Causes burns.
<b>Polyoxyalkyleneamine</b>	Corrosive to the skin. Causes burns.
<b>Isophoronediamine</b>	Corrosive to the skin.
<b>N-Aminoethylpiperazine</b>	Symptoms may be delayed. Toxic in contact with skin. May cause an allergic skin reaction. Causes severe skin burns.

### 11.3 EYE DAMAGE OR IRRITATION

<b>Nonylphenol</b>	—
<b>Polyoxyalkyleneamine</b>	Corrosive to the skin. Causes burns.
<b>Isophoronediamine</b>	Species: Rabbit. Result: Risk of serious damage to eyes. Method: OECD guideline 405.
<b>N-Aminoethylpiperazine</b>	Causes serious eye damage.

### 11.4 RESPIRATORY AND SKIN SENSITIZATION

<b>Nonylphenol</b>	Route: Skin. Species: Guinea pig. Result: Not sensitizing.
<b>Polyoxyalkyleneamine</b>	Route: Skin. Species: Guinea pig. Result: Not sensitizing.
<b>Isophoronediamine</b>	Guinea pig sensitization test. Species: Guinea pig. Result: Sensitizing. Method: OECD guideline 406.
<b>N-Aminoethylpiperazine</b>	May cause sensitization by skin contact.

### 11.4 RESPIRATORY AND SKIN SENSITIZATION

<b>Nonylphenol</b>	Test: OECD 476 in vitro Mammalian cell gene Mutation test. Experiment: In vitro. Subject: Mammalian animal. Metabolic activation: +/- . Result: Negative.
<b>Polyoxyalkyleneamine</b>	No known significant effects or critical hazards.
<b>Isophoronediamine</b>	Experimental/calculated data: Ames-test. No mutagenic effects reported. Micronucleus assay: No mutagenic effects reported.
<b>N-Aminoethylpiperazine</b>	Genotoxicity in vitro: Ames test result: Negative. Genotoxicity in vivo: Result: No evidence of genotoxic effects in vivo.

### 11.6 CARCINOGENICITY

For the ingredients in this product, no known significant effects or critical hazards.

### 11.7 REPRODUCTIVE TOXICITY

No known significant effects or critical hazards.

### 11.8 SPECIFIC TARGET ORGANS EFFECT

May cause damage to the kidneys.

### 11.9 ASPIRATION HAZARDS

No aspiration hazard expected.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 ENVIRONMENTAL EFFECTS

Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. It is biodegradable, but has a lot of potential for bioaccumulation. Water polluting material. May be harmful to the environment if released in large quantities.

#### 12.2 AQUATIC ECOTOXICITY

SUBSTANCE	TEST	RESULT	SPECIES	EXPOSURE
<b>Nonyl Phenol</b>		Acute EbC50 (biomass) 0.0563 mg/L Fresh water	Algae	72 hours Static
		Acute EC50 0.085 mg/L Fresh water	Daphnia	48 hours Static
		Chronic EbC10 0.0033 mg/L Fresh water	Algae	72 hours Static
		Chronic NOEC 0.0047 mg/L Fresh water	Fish	33 days
		Chronic NOEC 0.024 mg/L Fresh water	Daphnia	21 days Semistatic
<b>Polyoxyalkyleneamine</b>		Acute LC50 >220 mg/L Fresh water	Fish	96 hours
<b>Isophoronediamine</b>	Acute. Directive 84/449/EEC	LC50: 110 mg/L	Leuciscus idus	96 hours Semistatic
	Chronic	Study scientifically not justified	Fish	—
	Acute OECD Guideline 202	EC50: 23 mg/L	Daphnia magna	48 hours Static
		EC50 288 mg/L	Chaetogammarus marinus	Semistatic
	Chronic Directive: OECD Guideline 202	NOEC: 3 mg/L	Daphnia magna	21 days
	Directive 88/301/EEC	EC50 > 50 mg/L	Green Algae	72 hours
	DIN 28412	EC10: 1120 mg/L	Bacterium	18 hours

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SUBSTANCE	TEST	RESULT	SPECIES	EXPOSURE
N-Aminoethylpiperazine		LC50 > 100 mg/L	Pimephales promelas (fathead minnow)	96 hours
		EC50 > 10-100 mg/L	Daphnia magna (water flea)	48 hours
		EC50 > 100 mg/L	Pseudokirchneriella subcapitata (green algae)	72 hours

### 12.3 PERSISTENCE AND DEGRADABILITY

SUBSTANCE	RESULT	METHOD	DOSE
Nonylphenol	62% inherent – 28 days	OECD Ready Biodegradability Manometric Respirometry test	31 mg/L Oxygen consumption
	53% inherent – 28 days	OECD 301B Ready Biodegradability CO2 Evolution Test	12.2 mg/L Carbon dioxide production
Polyoxyalkyleneamine	7.23% inherent – 28 days	OECD 301B Biodegradability – CO2 Evolution Test	Inoculum: Activated Sludge
Isophoronediamine	Not readily biodegradable by OECD Criteria	Directive 92/69 EEC, C.4-A (aerobic) DOC Reduction	Degree of elimination 8% (28 days)
N-Aminoethylpiperazine	Not readily Biodegradable	OECD Test Guideline 301D	–

### 12.4 BIOACCUMULATION

Nonylphenol	LogPow: 3.8 to 4.77 – Potential: High
Polyoxyalkyleneamine	No data available
Isophoronediamine	Based on the Log Pow – Accumulation in organisms is not to be expected
N-Aminoethylpiperazine	No data available

### 12.5 MOBILITY IN SOIL

Nonylphenol	No data available
Polyoxyalkyleneamine	No data available
Isophoronediamine	Transport between environmental compartments: Calculated Absorption/water – soil KOC: 928 log KOC: 2.97
N-Aminoethylpiperazine	No data available

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### 12.6 OTHER ADVERSE EFFECTS

#### Isophoronediamine

Due to the pH-value of the product, neutralization is generally required before discharging sewage into treatment plants. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

#### N-Aminoethylpiperazine

Biochemical Oxygen Demand (BOD) < 60% BOD, 28 days, Closed Bottle Test (OECD 301D).

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system. Do not contaminate pond, waterways or ditches with chemical or used container. The product should not be allowed to enter drains, water courses or the soil.

## SECTION 14: TRANSPORTATION INFORMATION

<b>UN number</b>	UN 2735
<b>Shipping Name</b>	Amines Liquid, Corrosive, N.O.S.
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

## SECTION 15: OTHER INFORMATION

<b>Preparation Date</b>	June 2nd, 2017
<b>MSDS prepared by</b>	Hulk Systems Inc.

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