

# SAFETY DATA SHEET

# PETTIT



Revision Date 06-Sep-2016  
Version 3

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** EZ Tex - 7100 Marine Epoxy Repair Compound - Part A  
**Product code** 710010A

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** 2-Part Epoxy Copmpound  
**Restrictions on use** No information available

### 1.3 Details of the supplier of the safety data sheet

**Supplier** Kop-Coat, Inc. / Pettit Marine Paint  
Marine Group  
36 Pine Street  
Rockaway, NJ 07866  
1-800-221-4466

### 1.4 Emergency telephone number

**Emergency telephone number** Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3

### 2.2 Label elements

**Signal Word**  
Warning

**Hazard Statements**  
Causes skin irritation

Causes serious eye irritation  
 May cause an allergic skin reaction  
 May cause respiratory irritation



#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Use only outdoors or in a well-ventilated area

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 Take off contaminated clothing and wash before reuse  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell

#### Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### 2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

#### 2.4 Other information

Not Applicable

#### Unknown Acute Toxicity

< 1% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/Information on Ingredients

#### Substance

This product is a mixture. Health hazard information is based on its components.

#### Mixture

Chemical Name	CAS-No	Weight %
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	40 - 50
Neopentyl glycol diglycidyl ether	17557-23-2	10 - 20
REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN) MW ≤ 700	28064-14-4	1 - 5

The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First aid measures

#### 4.1 Description of first-aid measures

##### General advice

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move victim to fresh air. Call a physician or poison control center immediately. Apply artificial respiration if victim is not breathing.
<b>Ingestion</b>	Gently wipe or rinse the inside of the mouth with water. Call a physician or poison control center immediately. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### **4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** There is no specific antidote for effects from overexposure to this material. Treat symptomatically.

## **5. Fire-Fighting Measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

**Unsuitable Extinguishing Media** None known based on information supplied.

### **5.2 Special hazards arising from the substance or mixture**

#### **Special Hazard**

Thermal decomposition can lead to release of irritating gases and vapors

**Hazardous Combustion Products** Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

#### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### **5.3 Advice for firefighters**

Evacuate personnel to safe areas. Thoroughly decontaminate all protective equipment after use. Use water spray to cool fire-exposed containers. Move non-burning material, as feasible, to a safe location as soon as possible. As in any fire, wear self-contained breathing apparatus and full protective gear.

## **6. Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas. Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Stop leak if you can do it without risk. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8. Avoid exceeding of the given occupational exposure limits (see section 8).

### **6.2 Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

### **6.3 Methods and materials for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Clean contaminated surface thoroughly. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

## **7. Handling and storage**

### **7.1 Precautions for safe handling**

<b>Advice on safe handling</b>	Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Use according to package label instructions. Empty containers may retain product residue or vapor. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep away from food, drink and animal feedingstuffs. Keep from freezing.
<b>Materials to Avoid</b>	No materials to be especially mentioned.

## **8. Exposure controls/personal protection**

### **8.1 Exposure Guidelines**

### **8.2 Appropriate engineering controls**

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
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### **8.3 Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Remove and wash contaminated clothing before re-use. Wear protective gloves/ protective clothing.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
<b>Hygiene measures</b>	See section 7 for more information

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Solid
<b>Appearance</b>	Paste
<b>Color</b>	White
<b>Odor</b>	sweet
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>		Not Applicable
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>		Not Applicable
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>		No information available
<b>Water solubility</b>		No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>	> 22 mm <sup>2</sup> /s	
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

**Volatile organic compounds (VOC) content** 0 g/L

## 10. Stability and Reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to Avoid

No information available.

### 10.5 Incompatible Materials

No materials to be especially mentioned.

### 10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

## 11. Toxicological information

**11.1 Acute toxicity****Numerical measures of toxicity: Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

**Oral LD50** 45,000.00 mg/kg

**Numerical measures of toxicity: Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) 25068-38-6	11400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Neopentyl glycol diglycidyl ether 17557-23-2	4500 mg/kg ( Rat )	-	-

**11.2 Information on toxicological effects****Skin corrosion/irritation**Product Information

- May cause irritation

Component Information

- No information available

**Serious eye damage/eye irritation**Product Information

- Dust contact with the eyes can lead to mechanical irritation

Component Information

- No information available

**Respiratory or skin sensitization**Product Information

- No information available

Component Information

- No information available

**Germ cell mutagenicity**Product Information

- No information available

Component Information

- No information available

**Carcinogenicity**Product Information

- No information available

Component Information

- No information available

**Reproductive toxicity**Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

Inhalation of dust may irritate nose, throat and/or lungs.

**STOT - repeated exposure**

- No information available

**Other adverse effects**Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- No information available

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

10 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) 25068-38-6	-	LC50: 96 h Fish 1.3 mg/L	LC50: 48 h daphnia 2.1 mg/L
REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN) MW ≤ 700 28064-14-4	-	LC50: 96 h Fish 1.5 mg/L	LC50: 48 h daphnia 1.7 mg/L

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

Chemical Name	log Pow
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) 25068-38-6	2.64-3.78
Neopentyl glycol diglycidyl ether 17557-23-2	0.23
REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN) MW ≤ 700 28064-14-4	3.242

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

Discharge into the environment must be avoided

## 13. Disposal Considerations

**13.1 Waste treatment methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. Transport Information

<b><u>DOT</u></b>	Not regulated
<b><u>MEX</u></b>	no data available
<b><u>IMDG</u></b>	
<b>Proper shipping name</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, PG III (Bisphenol-A Epichlorohydrin resin)
<b>Special Provisions</b>	Inner packagings 5 L (liquid) or 5 kg (solids) or less: Not regulated (per IMDG Code 2.10.2.7)
<b>Marine pollutant</b>	Marine pollutant
<b><u>IATA</u></b>	
<b>Proper shipping name</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, PG III (Bisphenol-A Epichlorohydrin resin)
<b>Special Provisions</b>	Inner packagings 5 L (liquid) or 5 kg (solids) or less: Not restricted (per Special Provision A197)

## 15. Regulatory information

### 15.1 International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>EINECS/ELINCS</b>	-
<b>ENCS</b>	-
<b>IECSC</b>	-
<b>KECL</b>	-
<b>PICCS</b>	-
<b>AICS</b>	-
<b>NZIoC</b>	-

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

### 15.2 U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### 15.3 Pesticide Information

Not applicable

### 15.4 U.S. State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Epichlorohydrin - 106-89-8	Carcinogen Male Reproductive



<b>16. Other information</b>
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<b><u>NFPA</u></b>	Health Hazard 2	Flammability 1	Instability 0	Physical and chemical hazards -
<b><u>HMIS</u></b>	Health Hazard 2*	Flammability 1	Physical Hazard 0	Personal protection X

**Legend:***ACGIH (American Conference of Governmental Industrial Hygienists)**Ceiling (C)**DOT (Department of Transportation)**EPA (Environmental Protection Agency)**IARC (International Agency for Research on Cancer)**International Air Transport Association (IATA)**International Maritime Dangerous Goods (IMDG)**NIOSH (National Institute for Occupational Safety and Health)**NTP (National Toxicology Program)**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**PEL (Permissible Exposure Limit)**Reportable Quantity (RQ)**Skin designation (S\*)**STEL (Short Term Exposure Limit)**TLV® (Threshold Limit Value)**TWA (time-weighted average)***Revision Date** 06-Sep-2016**Revision Note**  
No information available**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**

# SAFETY DATA SHEET

# PETTIT



Revision Date 06-Sep-2016  
Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name Pettit EZ Tex - Part B  
Product code 710010B

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Primers 2-Part Epoxy Copmpound  
Restrictions on use No information available

### 1.3 Details of the supplier of the safety data sheet

Supplier Kop-Coat, Inc. / Pettit Marine Paint  
Marine Group  
36 Pine Street  
Rockaway, NJ 07866  
1-800-221-4466

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

### 2.2 Label elements

**Signal Word**

Danger

**Hazard Statements**

Harmful if swallowed

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Suspected of damaging fertility or the unborn child

May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

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

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Contaminated work clothing should not be allowed out of the workplace

Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor

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

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

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

Rinse mouth

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity**

58% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/Information on Ingredients

**Substance****Mixture**

Chemical Name	CAS-No	Weight %
Glyceryl poly(oxy propylene) triamine	64852-22-8	10 - 20
FORMALDEHYDE, POLYMER WITH	135108-88-2	10 - 20

BENZENEAMINE, HYDROGENATED		
4-NONYLPHENOL	84852-15-3	10 - 20
TRIETHYLENETETRAMINE	112-24-3	5 - 10
Benzyl alcohol	100-51-6	5 - 10
4,4-ISOPROPYLIDENEDIPHENOL	80-05-7	5 - 10
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	90-72-2	5 - 10
p-TERT-BUTYLPHENOL	98-54-4	1 - 5
Benzyl dimethylamine	Proprietary	1 - 5

The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First aid measures

### 4.1 Description of first-aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Move victim to fresh air. If not breathing, give artificial respiration. Keep victim warm and quiet. Call a physician or poison control center immediately.
<b>Ingestion</b>	Gently wipe or rinse the inside of the mouth with water. Never give fluids if the victim is unconscious or having convulsions. Do NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Call a physician or poison control center immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician** There is no specific antidote for effects from overexposure to this material. Treat symptomatically.

## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

**Unsuitable Extinguishing Media** None known based on information supplied.

### 5.2 Special hazards arising from the substance or mixture

#### Special Hazard

Thermal decomposition can lead to release of irritating gases and vapors

**Hazardous Combustion Products** Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

#### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### 5.3 Advice for firefighters

Evacuate personnel to safe areas. Move containers from fire area if you can do it without risk. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Corrosive hazard. Wear protective gloves/clothing and eye/face protection. Cool containers with flooding quantities of water until well after fire is out. Thoroughly decontaminate all protective equipment after use. Use water spray to cool fire-exposed containers.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation, especially in confined areas. Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Keep people away from and upwind of spill/leak. Stop leak if you can do it without risk. Wear protective gloves/clothing and eye/face protection. Thoroughly decontaminate all protective equipment after use. .

### 6.2 Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

### 6.3 Methods and materials for containment and cleaning up

<b>Methods for Containment</b>	Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
<b>Methods for cleaning up</b>	Take up with sand, earth or other noncombustible absorbent material. Clean contaminated surface thoroughly.

## 7. Handling and storage

### 7.1 Precautions for safe handling

**Advice on safe handling** Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Use according to package label instructions. Empty containers may retain product residue or vapor.

**Hygiene measures** Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse.

### 7.2 Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep away from food, drink and animal feedingstuffs. Keep from freezing.
<b>Materials to Avoid</b>	No materials to be especially mentioned.

## 8. Exposure controls/personal protection

### 8.1 Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
TRIETHYLENETETRA MINE 112-24-3	-	-				TWA: 0.5 ppm TWA: 3 mg/m <sup>3</sup> Skin

### 8.2 Appropriate engineering controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Apply technical measures to comply with the occupational exposure limits.

### **8.3 Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Tightly fitting safety goggles.
<b>Skin and body protection</b>	Neoprene gloves. Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Long sleeved clothing. Chemical resistant apron. Protective shoes or boots. Remove and wash contaminated clothing before re-use. Wear impervious gloves and/or clothing if needed to prevent contact with the material.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene measures</b>	See section 7 for more information

## **9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Paste/Gel Liquid
<b>Appearance</b>	No information available
<b>Color</b>	Gray
<b>Odor</b>	Slight ammonia
<b>Odor Threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Methods</u></b>
<b>pH</b>		
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>		
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>		No information available
<b>Water solubility</b>		No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		
<b>Viscosity, dynamic</b>	160,000-230,000 cps @ 25 deg C	
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### **9.2 Other information**

<b>Volatile organic compounds (VOC) content</b>	No information available
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## **10. Stability and Reactivity**

### **10.1 Reactivity**

No dangerous reaction known under conditions of normal use

### **10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to Avoid**

None known based on information supplied.

**10.5 Incompatible Materials**

No materials to be especially mentioned.

**10.6 Hazardous Decomposition Products**

Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

## 11. Toxicological information

**11.1 Acute toxicity****Numerical measures of toxicity: Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**Unknown Acute Toxicity**                      58% of the mixture consists of ingredient(s) of unknown toxicity

<b>Oral LD50</b>	698.00 mg/kg
<b>Dermal LD50</b>	2,726.00 mg/kg
<b>Gas</b>	20,472.00 mg/l
<b>LC50 (Dust/Mist)</b>	10.50 mg/l
<b>LC50 (Vapor)</b>	92.00 mg/l

**Numerical measures of toxicity: Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
4-NONYLPHENOL 84852-15-3	580 mg/kg ( Rat )	= 2031 mg/kg ( Rabbit )	-
TRIETHYLENETETRAMINE 112-24-3	2500 mg/kg ( Rat )	= 550 mg/kg ( Rabbit )	-
Benzyl alcohol 100-51-6	1230 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	= 8.8 mg/L ( Rat ) 4 h
4,4-ISOPROPYLIDENEDIPHENOL 80-05-7	3300 mg/kg ( Rat )	= 3 mL/kg ( Rabbit )	> 0.17 mg/L ( Rat ) 6 h
2,4,6-TRIS(DIMETHYLAMINOMET HYL)PHENOL 90-72-2	1000 mg/kg ( Rat )	= 1280 mg/kg ( Rat )	-
p-TERT-BUTYLPHENOL 98-54-4	2990 mg/kg ( Rat )	= 2318 mg/kg ( Rabbit )	-
Benzyl dimethylamine	265 mg/kg ( Rat )	-	-

**11.2 Information on toxicological effects****Skin corrosion/irritation**Product Information

- No information available

Component Information

- No information available

**Serious eye damage/eye irritation**Product Information

- No information available

Component Information

- No information available

**Respiratory or skin sensitization**Product Information

- No information available

Component Information

- No information available

**Germ cell mutagenicity**Product Information

- No information available

Component Information

- No information available

**Carcinogenicity**Product Information

- No information available

Component Information

- No information available

**Reproductive toxicity**Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Other adverse effects**Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- No information available

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

58 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
4-NONYLPHENOL 84852-15-3	EC50: 96 h Pseudokirchneriella subcapitata 0.36 - 0.48 mg/L static EC50: 72 h Pseudokirchneriella subcapitata 0.16 - 0.72 mg/L static EC50: 72 h Desmodesmus subspicatus 1.3 mg/L	LC50: 96 h Pimephales promelas 0.135 mg/L flow-through LC50: 96 h Lepomis macrochirus 0.1351 mg/L flow-through	EC50: 48 h Daphnia magna 0.14 mg/L
TRIETHYLENETETRAMINE 112-24-3	EC50: 72 h Desmodesmus subspicatus 2.5 mg/L EC50: 72 h Pseudokirchneriella subcapitata 20 mg/L EC50: 96 h Pseudokirchneriella subcapitata 3.7	LC50: 96 h Poecilia reticulata 570 mg/L semi-static LC50: 96 h Pimephales promelas 495 mg/L	EC50: 48 h Daphnia magna 31.1 mg/L



	mg/L		
Benzyl alcohol 100-51-6	-	LC50: 96 h Pimephales promelas 460 mg/L static LC50: 96 h Lepomis macrochirus 10 mg/L static	EC50: 48 h water flea 230 mg/L
4,4-ISOPROPYLIDENEDIPHENOL 80-05-7	EC50: 96 h Pseudokirchneriella subcapitata 2.5 mg/L	LC50: 96 h Pimephales promelas 3.6 - 5.4 mg/L flow-through LC50: 96 h Pimephales promelas 4.0 - 5.5 mg/L static LC50: 96 h Oncorhynchus mykiss 4 mg/L LC50: 96 h Brachydanio rerio 9.9 mg/L static	EC50: 48 h Daphnia magna 10.2 mg/L EC50: 48 h Daphnia magna 3.9 mg/L EC50: 48 h Daphnia magna 9.2 - 11.4 mg/L Static
p-TERT-BUTYLPHENOL 98-54-4	EC50: 72 h Desmodesmus subspicatus 11.2 mg/L	LC50: 96 h Pimephales promelas 4.71 - 5.62 mg/L flow-through LC50: 96 h Cyprinus carpio 6.9 mg/L static	EC50: 48 h Daphnia magna 3.9 mg/L EC50: 48 h Daphnia magna 3.4 - 4.5 mg/L Static
Benzyl dimethylamine	-	LC50: 96 h Pimephales promelas 35.8 - 39.9 mg/L flow-through	-

## 12.2 Persistence and degradability

No information available.

## 12.3 Bioaccumulative potential

Discharge into the environment must be avoided

Chemical Name	log Pow
TRIETHYLENETETRAMINE 112-24-3	-1.4
Benzyl alcohol 100-51-6	1.1
4,4-ISOPROPYLIDENEDIPHENOL 80-05-7	2.2
p-TERT-BUTYLPHENOL 98-54-4	2.44

## 12.4 Mobility in soil

No information available.

## 12.5 Other adverse effects

No information available

# 13. Disposal Considerations

## 13.1 Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

# 14. Transport Information

## DOT

**Proper shipping name**  
**Marine Pollutant**

UN3259, Amines, solid, corrosive, n.os. (ethylene amine), 8, PGIII  
This product contains a chemical which is listed as a marine pollutant according to DOT

## MEX

no data available

## IMDG

**Proper shipping name**  
**Marine pollutant**

UN3259, Amines, solid, corrosive, n.os. (ethylene amine), 8, PGIII  
This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

**Description**

(nonyl phenol)

## IATA

**Proper shipping name**

UN3259, Amines, solid, corrosive, n.os. (ethylene amine), 8, PGIII

## 15. Regulatory information

### 15.1 International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	-
<b>EINECS/ELINCS</b>	-
<b>ENCS</b>	-
<b>IECSC</b>	-
<b>KECL</b>	-
<b>PICCS</b>	-
<b>AICS</b>	-
<b>NZIoC</b>	-

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

### 15.2 U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
4,4-ISOPROPYLIDENEDIPHENOL 80-05-7	1.0

### 15.3 Pesticide Information

Not applicable

### 15.4 U.S. State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

## 16. Other information

<b>NFPA</b>	<b>Health Hazard</b> 3	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Physical and chemical hazards</b> - <b>Personal protection</b> X
<b>HMIS</b>	<b>Health Hazard</b> 3*	<b>Flammability</b> 1	<b>Physical Hazard</b> 0	

#### **Legend:**

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*Ceiling (C)*

*DOT (Department of Transportation)*

*EPA (Environmental Protection Agency)*

*IARC (International Agency for Research on Cancer)*

*International Air Transport Association (IATA)*

*International Maritime Dangerous Goods (IMDG)*

*NIOSH (National Institute for Occupational Safety and Health)*

*NTP (National Toxicology Program)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*PEL (Permissible Exposure Limit)*

*Reportable Quantity (RQ)*

*Skin designation (S\*)*

*STEL (Short Term Exposure Limit)*

*TLV® (Threshold Limit Value)*

*TWA (time-weighted average)*

**Revision Date** 06-Sep-2016

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**