

SAFETY DATA SHEET



Defining Excellence Since 1939

DATE PRINTED :	12/09/2015
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MSDS REF. No :	R151-000
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Progressive Epoxy BioClear E

PRODUCT CODE: R151-000

PRODUCT USE/CLASS: RESIN

Supplier/ Manufacturer

ROCK-TRED LLC
405 Oakwood Avenue
Waukegan, IL, 60085
847-673-8200

ROCK-TRED CORPORATION PHONE: 800-762-8733
EMERGENCY PHONE: CHEMTREC 800-424-9300, 24hours
ORIGINAL DATE ISSUED: 1/13/13 REVISION DATE: 8/14/13

Recommended end use: Half of a two component system designed for application and use as a protective coating.

2. COMPOSITION / INFORMATION OF INGREDIENTS

Acute Oral Toxicity, Category 4

Aquatic Hazard (Long term) Category 3

Toxic to Reproduction, Category 2



SIGNAL WORD: Warning

Hazard-determining components of labeling: Nonylphenol (CAS# 25154-52-3)

Hazard Statements

H302 Harmful if swallowed

H412 Harmful to aquatic life with long lasting effects

H631 Suspected of damaging fertility or the unborn child

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Precautionary Statements

P273 Avoid Release to the Environment

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to

do so. Continue Rinsing.

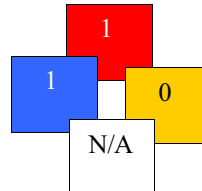
P310 Immediately Call a POISON CENTER or doctor/physician.

P284 Wear respiratory protection

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HMIS RATING	
Health :	1
Flammability :	1
Reactivity :	0
Personal Protection :	X

NFPA CODES



Potential Health Effects:

SKIN: Prolonged or repeated contact with this product may cause skin irritation with local redness and possible allergic reaction. Prolonged contact with material is unlikely to result in skin absorption of harmful amounts.

EYES: May cause irritation. Corneal injury is likely.

INHALATION: Vapors are unlikely due to physical properties.

INGESTION: Very low toxicity if swallowed. Harmful effects are not anticipated from swallowing small amounts.

CHRONIC HAZARDS: This product contains no listed human carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. This product contains nonylphenol which has been identified as a teratogen by OSHA and may cause reproductive harm.

3. HAZARDS IDENTIFICATION

This document is a pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard. All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Chemical Name & CAS Number	Weight %	CAS Number
Benzyl Alcohol	10-30%	100-51-6
Alkyl C12-C14 Glycidyl Ether	5-10%	68609-97-2
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	60-100%	25068-38-6
Nonylphenol	3-7%	25154-52-3

4. FIRST AID MEASURES

GENERAL ADVICE: Consult a physician. Show this safety data sheet to physician in attendance

EYES: DO NOT WEAR CONTACT LENSES WHILE WORKING WITH THIS PRODUCT. Hold eyelids apart, initiate and maintain gentle and continuous irrigation for at least 20 minutes. If irritation effects occur, consult a physician, preferably an ophthalmologist.

SKIN: Immediately remove contaminated clothing and any excess chemical with plenty of soap and water. Initiate and maintain gentle and continuous irrigation with plenty of water for at least 20 minutes. Seek medical attention if irritation persists. Wash clothing before reuse, if items cannot be decontaminated, discard them. These items may include leather articles such as shoes, belts and watchbands.

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INHALATION: Move to fresh air. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. Seek medical attention if breathing difficulty persists.

INGESTION: No immediate medical attention is necessary in small quantities. In larger quantities, contact a poison control center or bring the label / MSDS with the patient to seek medical care. Do not induce vomiting. If the person is conscious, give several glasses of water by mouth. Never give anything by mouth to an unconscious person. If a person vomits while lying on his back, place him in the recovery position. To prevent aspiration of vomit, turn the victims head to the side.

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5. FIRE FIGHTING METHODS

SUITABLE EXTINGUISHING MEDIA: Use water fog or fine spray, dry chemical fire extinguishers, carbon dioxide fire extinguishers, or alcohol resistant foam.

For safety reasons, unsuitable extinguishing agents: Do not use a direct water stream as it may spread the fire.

SPECIAL FIRE & UNUSUAL HAZARD: May generate toxic or irritating combustion products. May generate carbon monoxide gas.

May generate toxic nitrogen oxide gases.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Firefighters should wear butyl rubber boots, gloves and body suit as well as a self-contained breathing apparatus.

ADDITIONAL INFORMATION: Remove all ignition sources. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

HAZARDOUS COMBUSTION PRODUCTS formed under fire conditions: carbon oxides, nitrogen oxides, phenolics

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Evacuate personnel to safe area. Ensure adequate ventilation.

Environmental precautions:

Prevent further leaking if safe to do so. Flush area with water spray. Absorb spill with inert material (ex. dry sand or earth) and place in a chemical waste container for disposal. Avoid runoff into storm sewers and ditches which lead into waterways. Discharge into the environment must be avoided. If seepage into the environment has occurred, notify respective authorities.

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

HANDLING: Handle in a well-ventilated workspace. Avoid eye and skin contact. Do not breathe vapors. Use personal protective equipment when handling. Adhere to work practice rules established by government regulations. Do not use near electric band heaters.

STORAGE: Keep from freezing. Keep container closed when not in use. Keep container in a cool, well-ventilated place. Keep away from food, drink, and animal feed stuffs. Keep away from ignition sources and other incompatibilities. Store in original container or a container very similar to that of the original.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants.

Personal Protection Equipment:

Respiratory Protection: In poorly ventilated areas, a cartridge mask NIOSH approved for organic vapors is recommended. For emergency situations use self-contained breathing apparatus with pressure demand mode.



Skin Protection: Where contact is likely, wear chemical resistant gloves, rubber boots, and chemical safety goggles. Gloves should be tested for chemical resistance before reliable use. (penetration times, rates of diffusion and rate of degradation). Wear long sleeves and pants, exposing as little skin as possible.



Eye Protection: Wear chemical safety glasses with side shields or goggles. In the event of an emergency, use eye goggles with a full face shield. **DO NOT WEAR CONTACT LENSES** when working with this material!!

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing.

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9. PHYSICAL & CHEMICAL PROPERTIES

Volatile Organic Content: 33.53 g/L	Solubility in Water: Insoluble
Color: Gardener Scale 1-2	Specific Gravity @ 20°C: 1.11
Odor: N.A.	pH @ 100%: N/A
Physical Appearance: Colorless Liquid	Melting/Freezing point: N/A
Boiling Point: N/A	Flashpoint: N/A
Ignition Temperature: N/A	Auto-ignition temperature: N/A
Explosion Limits:	Water solubility: Insoluble
Lower: N/A	Partition coefficient (n-octanol/water): N/A
Upper: N/A	Relative vapor density: N/A
Odor Threshold: N/A	Evaporation rate: N/A
N/A = Not Available N/D = Not Determined Ca. = Approximate	

10. STABILITY & REACTIVITY

STABILITY: This product is stable under recommended and normal conditions.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

INCOMPATIBILITY: Extreme heat. Amines. Oxidizing Agents. Strong Acids, Acids. Strong Bases, Bases

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion products may include, but are not limited to: Phenolics. Carbon Monoxide. Carbon Dioxide. Oxides of Nitrogen. Amines.

CONDITIONS TO AVOID: Open Flame / Sparks / Sources of ignition. Heat. Excess heating above 60°C for long periods of time

11. TOXICOLOGICAL INFORMATION

Component Toxicological Information: (Acute)

Likely routes of entry: Skin Contact, Skin absorption, Ingestion, Inhalation

4, 4'-Isopropylidenediphenol-Epichlorohydrin Copolymer

LD50 Oral Rat 30,000 mg/kg

LD50 Dermal Rat >2,000 mg/kg

Not classified as a carcinogen by ACGIH, IARC or OSHA. Not listed by NTP.

Nonylphenol

LD50 Oral Rat 1,300 mg/kg

Not classified as a carcinogen by ACGIH, NTP, OSHA or IARC.

Suspected human reproductive toxicant.

Benzyl Alcohol

LD50 Oral Rabbit 1040 mg/kg

LD50 Dermal Rabbit 2000 mg/kg

Not classified as a carcinogen by ACGIH, NTP, OSHA or IARC.

Mutagenic for bacteria and/or yeast. May cause damage to the following human organs: liver, central nervous system. No human data has been found at this point.

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Potential chronic health effects: Allergic contact dermatitis through skin contact, changes in behavior from CNS exposure through inhalation. May also affect liver, kidneys, cardiovascular system and metabolism (weight loss) upon chronic inhalation exposure.

Specific target organ toxicity: no data available for acute exposure.

12. ECOLOGICAL INFORMATION

Marine Pollutant/Ecotoxicity: Harmful to aquatic life with long lasting effects.

Toxicity to fish:

Nonylphenol

Mortality NOEC- pimephales promelas (fathead minnow) – 0.083 mg/l – 96.0 h

Mortality LOEC- Lepomis macrochirus – 0.211 mg/l – 96.0h

LC50 – Lepomis macrochirus – 0.135 mg/l – 96.0 h

Benzyl Alcohol

LC50 (96h): 10 mg/l Lepomis macrochirus

LC50 (96h): 460 mg/l Pimephales promelas

Toxicity to Algae:

Benzyl Alcohol: IC50 (72h): 700 mg/l Algae

Environmental Fate: Bioconcentration potential is low. Biodegradation under aerobic static laboratory conditions is below detectable limits.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The generation of waste should be avoided or minimized wherever possible. Do not dispose of with household waste. Do not dispose of in landfill. Do not allow contact with sewers or waterways. Comply with all Federal, State and Local regulations. Incinerate in admixture with fuel equipped with a scrubber to remove nitrogen oxides and carbon monoxide. Disposal of in permitted waste management facility if incineration or landfill is not practicable.

14. TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

DOT Proper Shipping Name: Resin Compound- Not regulated

DOT Technical Name: N/A

DOT Hazard Class: N/A

Hazard Subclass: N/A

DOT I.D. Number: N/A

Packing Group: N/A

IMDG

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Technical Name: Environmentally hazardous substance, Liquid, N.O.S.

Hazard Class: 9

Hazard Subclass: N.A.

I.D. Number: UN3082

Packing Group: III

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with the GHS Standard.

CANADIAN WHMIS CLASS: D2B



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15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS AS FOLLOWS-

OSHA Hazard Communication Standard (29 CFR 1910.1200): Hazardous by definition of Hazard Communication Standard.

Harmful by ingestion. Corrosive. Teratogen. Reproductive Hazard.

CERCLA/ Super Fund (40 CFR 117, 302):

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard (Acute) Delayed Health Hazard (Chronic)

SARA Toxic Chemicals (40 CFR 372):

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: **None.**

TOXIC SUBSTANCES CONTROL ACT: All chemicals in this compound are listed on the TSCA.

NEW JERSEY RIGHT-TO-KNOW / PENNSYLVANIA RIGHT-TO-KNOW:

Chemical Name	CAS Number
Bisphenol A Epoxy Resin	25085-99-8
Nonylphenol	25154-52-3
Benzyl Alcohol	100-51-6

California Proposition 65: Warning! This product may contain the following chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

Nonylphenol 25154-52-3

16. OTHER INFORMATION

THE INFORMATION HEREIN HAS BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, ROCK-TRED CORPORATION CANNOT GIVE ANY GUARANTEES REGARDING INFORMATION FROM OTHER SOURCES, AND EXPRESSLY DOES NOT MAKE ANY WARRANTIES, NOR ASSUMES ANY LIABILITY FOR ITS USE.

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DATE PRINTED :	12/09/2015
MSDS REF. No :	H153-000

1. PRODUCT AND COMPANY IDENTIFICATION

Supplier/ Manufacturer

ROCK-TRED LLC

PRODUCT NAME: Progressive Epoxy BioClear 810 HARD

PRODUCT CODE: H153-000

ROCK-TRED CORPORATION PHONE: 800-762-8733
EMERGENCY PHONE: CHEMTREC 800-424-9300, 24hours
ORIGINAL DATE ISSUED: 3/18/13 **REVISION DATE:** 9/14/13

Recommended end use: Half of a two component system designed for application and use as a protective coating.

2. HAZARDS IDENTIFICATION

Acute Oral Toxicity, Category 2

Skin Corrosion, Category 1C

Serious Eye Damage, Category 2A

Aspiration Hazard, Category 2

Acute Aquatic Hazard, Category 3



SIGNAL WORD: Danger

Hazard-determining components of labeling: Benzyl Alcohol

Hazard Statements

H305 May be harmful if swallowed and enters airways

H300 Fatal if swallowed

H412 Harmful to aquatic life

H335 May cause respiratory irritation

H314 Causes severe skin burns and eye damage

H319 Causes serious eye irritation

Precautionary Statements

P273 Avoid Release to the Environment

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

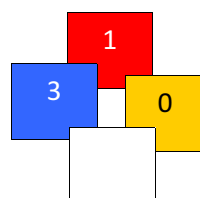
SAFETY DATA SHEET

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue Rinsing.

P310 Immediately Call a POISON CENTER or doctor/physician.

HMIS RATING	
Health :	3
Flammability :	1
Reactivity :	0
Personal Protection :	X

NFPA CODES



Potential Health Effects:

SKIN: Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, tiredness, confusion, and breathing difficulties.

EYES: May cause irritation. Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. This effect is temporary and has no known residual effect. Causes eye burns. May cause blindness. Severe eye irritation.

INHALATION: Harmful if inhaled and may cause delayed lung injury. May cause nose, throat and lung irritation. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, and breathing difficulties. Severe cases of overexposure can result in respiratory failure. Inhalation of high concentration of vapors may cause irritation of respiratory system.

INGESTION: If ingested, severe burns of the mouth and throat as well as danger of perforation of the esophagus and the stomach. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, and breathing difficulties. Severe cases of overexposure can result in respiratory failure.

HAZARDS: Overexposure may cause lung damage. Liver Disorders. Kidney Disorders. Adverse respiratory effects. Adverse skin effects. Adverse eye effects. Prolonged exposure may result in chemical burns and permanent damage. Repeated or prolonged exposure can cause sensitization, asthma and eczemas. This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This document is a pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard. All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Chemical Name	Weight %	CAS Number
Benzyl Alcohol	15-40%	100-51-6
Isophoronediamine	30-60%	2855-13-2
Modified Cycloaliphatic Amine	15-40%	Proprietary

4. FIRST AID MEASURES

GENERAL ADVICE: Consult a physician. Show this safety data sheet to physician in attendance.

EYES: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care from a doctor. If medical care is not promptly available, continue to irrigate for one hour. Make sure to rinse under the eyelids for a period of at least 20 minutes.

SKIN: Immediately remove contaminated clothing and any excess chemical with plenty of soap and water. Initiate and maintain gentle and continuous irrigation until the patient receives medical care from a doctor. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

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NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

INHALATION: If breathing has stopped or is labored, give assisted respirations. Move to fresh air. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

INGESTION: Do not induce vomiting. If the person is conscious, give several glasses of water by mouth. Never give anything by mouth to an unconscious person. If a person vomits while lying on his back, place him in the recovery position. To prevent aspiration of vomit, turn the victims head to the side.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Alcohol resistant foam, Carbon dioxide (CO₂), dry chemical, dry sand, limestone powder.

For safety reasons, unsuitable extinguishing agents: water spray.

SPECIAL FIRE & UNUSUAL HAZARDS: Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

SPECIAL FIREFIGHTING INSTRUCTIONS: Firefighters should wear butyl rubber boots, gloves and body suit as well as a self-contained breathing apparatus.

ADDITIONAL INFORMATION: Remove all ignition sources. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

HAZARDOUS COMBUSTION PRODUCTS formed under fire conditions: carbon oxides, nitrogen oxides, ammonia gas

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Evacuate personnel to safe area. Ensure adequate ventilation. Wear a self-contained breathing apparatus and appropriate personal protective equipment.

Environmental precautions:

Approach suspected leak areas with caution. Prevent further leaking if safe to do so. Construct a dike to prevent spreading. Flush area with water spray. Absorb spill with inert material (ex. dry sand or earth) and place in a chemical waste container for disposal. Avoid runoff into storm sewers and ditches which lead into waterways. Discharge into the environment must be avoided. If seepage into the environment has occurred, notify respective authorities. Open enclosed spaces to outside atmosphere if possible and stop flow of product.

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

HANDLING: Handle in a well-ventilated workspace. Empty containers may contain explosive vapors. Flush empty containers with water to remove residual flammable liquid vapors. Ground all containers during material transfer. Avoid breathing dust, vapor or mist. Avoid contact with eyes. Avoid contact with skin or clothing.

STORAGE: Keep from freezing. Keep container closed when not in use. Keep container in a cool, well-ventilated place. Keep away from food, drink, and animal feed stuffs. Keep away from ignition sources and other incompatibilities. Store in original container or a container very similar to that of the original.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Ventilation: Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

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Personal Protection Equipment:

Respiratory Protection: In poorly ventilated areas, a cartridge mask NIOSH approved for organic vapors is recommended. For emergency situations use self-contained breathing apparatus with pressure demand mode.



Skin Protection: Where contact is likely, wear chemical resistant gloves, rubber boots, and chemical safety goggles. Gloves should be tested for chemical resistance before reliable use. (penetration times, rates of diffusion and rate of degradation). Wear long sleeves and pants, exposing as little skin as possible.



Eye Protection: Wear chemical safety glasses with side shields or goggles. In the event of an emergency, use eye goggles with a full face shield. DO NOT WEAR CONTACT LENSES when working with this material!!!

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Volatile Organic Content: 52.7142234	Solubility in Water: Slightly Miscible
Color: Gardener Scale 1-2	Specific Gravity @ 20°C: 1.0063003
Odor: Amine	pH @ 100%: N.A.
Physical Appearance: Amber liquid.	Melting/Freezing point: N/A
Boiling Point: N/A	Flashpoint: N/A
Ignition Temperature: N/A	Auto-ignition temperature: N/A
Explosion Limits:	Water solubility: Slightly Miscible
Lower: N/A	Partition coefficient (n-octanol/water): N/A
Upper: N/A	Relative vapor density: N/A
Odor Threshold: N/A	Evaporation rate: N/A
N/A = Not Available N/D = Not Determined Ca. = Approximate	

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under recommended and normal storage conditions.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

INCOMPATIBILITY: Reactive metals, materials reactive with hydroxyl compounds, organic acids, mineral acids, sodium hypochlorite, metals, peroxides, oxidizing agents, strong bases, ammonia, hydrogen fluoride, oxygen difluoride, chlorine trifluoride

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion: Nitric Acid, Ammonia, Nitrogen Oxides, Carbon Monoxide, Carbon Dioxide, Aldehydes, Flammable hydrocarbons

CONDITIONS TO AVOID: Open Flame / Sparks / Sources of ignition. Heat.

11. TOXICOLOGICAL INFORMATION

Component Toxicological Information: (Acute)

Likely routes of entry: Skin Contact, Skin absorption, Ingestion, Inhalation

Benzyl Alcohol

LD50 Oral Rabbit 1040 mg/kg

LD50 Dermal Rabbit 2000 mg/kg

Not classified as a carcinogen by ACGIH, NTP, OSHA or IARC.

Mutagenic for bacteria and/or yeast. May cause damage to the following human organs: liver, central nervous system. No human data has been found at this point.

Potential chronic health effects: Allergic contact dermatitis through skin contact, changes in behavior from CNS exposure through inhalation. May also affect liver, kidneys, cardiovascular system and metabolism (weight loss) upon chronic inhalation exposure.

Eye irritation/corrosion: Severe eye irritant

Skin irritation/corrosive: Corrosive to the skin of a rabbit

Sensitization: May cause the sensitization of susceptible persons by skin contact.

Specific target organ toxicity: no data available for acute exposure.

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12. ECOLOGICAL INFORMATION

Marine Pollutant/Ecotoxicity: Exposure at low concentrations may kill fish. Not a marine pollutant in respect to DOT regulations.

Toxicity to Fish:

Benzyl Alcohol: LC50 (96h): 10 mg/l *Lepomis macrochirus*
LC50 (96h): 460 mg/l *Pimephales promelas*

Toxicity to Algae:

Benzyl Alcohol: IC50 (72h): 700 mg/l Algae

Environmental Fate: Low bioaccumulation potential

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The generation of waste should be avoided or minimized wherever possible. Do not dispose of with household waste. Do not dispose of in landfill. Do not allow contact with sewers or waterways. Comply with all Federal, State and Local regulations. Incinerate in admixture with fuel equipped with a scrubber to remove nitrogen oxides and carbon monoxide. Disposal of in permitted waste management facility if incineration or landfill is not practicable.

14. TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

DOT Proper Shipping Name: Amines, Liquid, Corrosive, N.O.S.

DOT Technical Name: Amines, Liquid, Corrosive, N.O.S. (contains Isophoronediamine)

DOT Hazard Class: Class 8

Hazard Subclass: N.A.

DOT I.D. Number: UN2735

Packing Group: III

IMDG

Technical Name: Amines, Liquid, Corrosive, N.O.S. (contains Isophoronediamine)

Hazard Class: Class 8

Hazard Subclass: N.A.

I.D. Number: UN2735

Packing Group: III

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with the GHS Standard.

CANADIAN WHMIS CLASS: E

D2B



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15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS AS FOLLOWS-

OSHA Hazard Communication Standard (29 CFR 1910.1200): Hazardous by definition of Hazard Communication Standard.

Corrosive. Sensitizer.

CERCLA/ Super Fund (40 CFR 117, 302):

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard (Acute) Delayed Health Hazard (Chronic)

TOXIC SUBSTANCES CONTROL ACT: All chemicals in this compound are listed on the TSCA

NEW JERSEY RIGHT-TO-KNOW/ PENNSYLVANIA RIGHT-TO-KNOW:

Chemical Name	CAS Number
Isophoronediamine	2855-13-2
Benzyl Alcohol	100-51-6

California Proposition 65: To the best of our knowledge, no Proposition 65 chemicals exist in this product.

16. OTHER INFORMATION

THE INFORMATION HEREIN HAS BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, ROCK-TRED CORPORATION CANNOT GIVE ANY GUARANTEES REGARDING INFORMATION FROM OTHER SOURCES, AND EXPRESSLY DOES NOT MAKE ANY WARRANTIES, NOR ASSUMES ANY LIABILITY FOR ITS USE.