

## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Product Name / Trade Name  
Product use description

EPO-Guard™ EPO-200, Part B  
Curing agent

**Details of the supplier of the safety data sheet**

Company Identification

Res-Tek, Inc.  
110 Riverside Drive  
Cartersville, Georgia 30120  
United States of America

Telephone

1-888-737-8351 / 1-770-427-4034

**Emergency telephone number**

CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887  
(Collect calls accepted)

### SECTION 2: HAZARDS IDENTIFICATION

**Hazard classification**

GHS Classification

Skin corrosion – Category 1B  
Serious eye damage – Category 1

**Label elements**

**Hazard pictograms**



**Signal Word(s)**

**DANGER**

**Hazard Statement(s)**

H314: Causes severe skin burns and eye damage.

**Hazards not otherwise classified**

Corrosive.  
Severe skin irritant.  
Severe eye irritant.  
Severe respiratory irritant.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Modified poly(aliphatic amine)	Not available	5% - 10%

Chemical family: Polyamine polymer solution. The remaining components are trade secret.

### SECTION 4: FIRST AID MEASURES



#### Description of first aid measures

##### General advice

Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

##### Inhalation

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

##### Skin Contact

Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

##### Eye Contact

Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

##### Ingestion

If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

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

Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Eye disease. Skin disorders and Allergies. Asthma.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

Suitable extinguishing media

Alcohol-resistant foam.  
Carbon dioxide (CO<sub>2</sub>).  
Dry chemical.  
Dry sand.  
Limestone powder.

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

##### Specific 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 protective equipment for fire-fighters

Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

##### Further information

Do not allow run-off from fire fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

### Environmental precautions

Construct a dike to prevent spreading.

### Methods and material for containment and cleaning up

Contact Res-Tek for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.

### Additional advice

Open enclosed spaces to outside atmosphere. If possible, stop flow of product.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Use only in well-ventilated areas. Avoid breathing vapors and/or aerosols. Avoid contact with skin and eyes. Avoid contact with eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.

### Conditions for safe storage

Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering measures

Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

### Personal protection equipment

#### Respiratory protection

Wear appropriate respirator when ventilation is inadequate.

#### Hand protection

Neoprene gloves.  
Polyvinyl Alcohol Gloves (PVA).  
Impervious gloves.  
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

#### Eye/face protection

Full face shield with goggles underneath. Chemical resistant goggles must be worn.

#### Skin and body protection

Impervious clothing.  
Full rubber suit (rain gear).  
Rubber or plastic boots.  
Long sleeve shirts and trousers without cuffs.  
Slicker Suit.

#### Special instructions for protection and hygiene

Discard contaminated leather articles. Wash hands at the end of each work shift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

#### Exposure limit(s)

None established.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Liquid. Viscous. Amber.

Odor	Ammonical.
Odor threshold	Not available.
pH	Not available.
Melting point /range	< 50 °F (< 10 °C)
Boiling point/range	> 212 °F (> 100 °C)
Flash Point	> 200 °F (> 93.34 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Vapor pressure	15.04 mmHg at 70 °F (21 °C)
Relative vapor density	Not determined.
Relative density	1.071
Water solubility	> 10 g/l
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Molecular weight	No data available

### SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	No data available.
<b>Materials to avoid</b>	Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Sodium hypochlorite. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Nitrogen oxides (NO <sub>x</sub> ). Nitrogen oxide can react with water vapors to form corrosive nitric acid. Ammonia
<b>Possibility of hazardous Reactions/Reactivity</b>	No data available.

### SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information on this product or its components appear in this section when such data is available.

#### Likely routes of exposure

Effects on eye	Causes eye burns. May cause blindness. Severe eye irritation.
Effects on skin	Causes skin burns.
Inhalation effects	Can cause severe eye, skin and respiratory tract burns. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritation. Inhalation of aerosol may cause irritation to the upper respiratory tract. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.

Ingestion effects

If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Symptoms

Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Eye disease., Skin disorders and Allergies, Asthma.

### Acute toxicity

Acute oral toxicity

No data is available on the product itself.

Inhalation

No data is available on the product itself.

Acute dermal toxicity

No data is available on the product itself.

### Skin corrosion/irritation

Severe skin irritation.

### Serious eye damage/eye irritation

Severe eye irritation.

### Sensitization

No data available.

### Chronic toxicity or effects from long-term exposure

Carcinogenicity

No data available.

Reproductive toxicity

No data available on the product itself.

Germ cell mutagenicity

No data available on the product itself.

Specific target organ systemic toxicity (single exposure)

No data available.

Specific target organ systemic toxicity (repeated exposure)

No data available.

Aspiration hazard

No data available.

### Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage. Eye disease., Skin disorders and Allergies., Asthma.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity effects

Acute toxicity in fish

No data available on the product itself.

Toxicity to other organisms

No data available.

### Persistence and degradability

Biodegradability

No data is available on the product itself.

Mobility

No data available.

Bioaccumulation

No data is available on the product itself.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste from residues/unused products

Contact supplier if guidance is required.

### Contaminated packaging

Dispose of container and unused contents in accordance with federal, state, and local requirements.

### SECTION 14: TRANSPORT INFORMATION

#### DOT

UN/ID number	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (Benzylated polyamines)
Class or division	8
Packing group	III
Label(s)	8
Marine pollutant	No

#### IATA

UN/ID number	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (Benzylated polyamines)
Class or division	8
Packing group	III
Label(s)	8
Marine pollutant	No

#### IMDG

UN/ID number	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (Benzylated polyamines)
Class or division	8
Packing group	III
Label(s)	8
Marine pollutant	No

#### TDG

UN/ID number	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (Benzylated polyamines)
Class or division	8
Packing group	III
Label(s)	8
Marine pollutant	No

#### Further Information

The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact Res-Tek, Inc.

### SECTION 15: REGULATORY INFORMATION

#### Toxic Substance Control Act (TSCA) 12(b) Component(s):

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Not on Inventory. Notifications have been submitted to Environment Canada.

Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Air Products has received a polymer exemption from the Chinese government to import, manufacture or use.
Philippines	PICCS	Included on Inventory.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

### SECTION 16: OTHER INFORMATION

#### HMIS rating

Health: 3  
Flammability: 1  
Physical hazard: 0

#### Information source and references

This SDS is prepared by Res-Tek from information supplied by internal references within our company.

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