

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

| | |
|---------------------------|---------------------------|
| Chemical Name | Mixture |
| Product Name / Trade Name | EPO-Guard™ EPO-290 Part A |
| CAS No. | Mixture |

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

| | |
|----------------------|---------------------------|
| Identified Use(s) | Industrial Flooring Resin |
| Uses Advised Against | None |

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

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) Skin Corr. 2 ; Eye Dam./Irrit. 2A ; Skin Sens. 1 ; STOT-SE (Resp. Tract) 3

Label elements

Hazard Symbol



Signal Word(s)

WARNING

Hazard Statement(s)

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

Precautionary Statement(s)

Avoid breathing dust/fume/gas/mist/vapours/spray.
Do not get in eyes, on skin, or on clothing.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection."
IF ON SKIN: wash with plenty of soap and water. 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.
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.
Take off contaminated clothing and wash before reuse.
Wash contaminated clothing before reuse."
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
None known.
None.

Other hazards

Additional Information

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Composition/information on ingredients | %W/W | CAS No. | Hazard Statement(s) |
|--|------|------------|---|
| Phenol-Formaldehyde Polymer Glycidyl Ether | 80% | 28064-14-4 | Causes skin irritation. 2; H315 May cause an allergic skin reaction. 1; H317 Causes serious eye irritation. 2A; H319 May cause respiratory irritation. STOT SE (Resp. Tract) 3; H335 |

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

| | |
|--------------|---|
| Inhalation | Seek medical advice/attention. 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 | Wash off immediately with plenty of water for at least 20 minutes. Take off contaminated clothing and shoes immediately. If irritation occurs or persists get medical advice/attention. |
| Eye Contact | Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses if present. Get medical advice/attention. |

Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

General advice

NOTE TO PHYSICIANS: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Most important symptoms/effects - 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

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media

None known.

Special hazards arising from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst.

Decomposition products may include the following materials: Fumes and vapors from the thermal and chemical compositions vary widely in composition and toxicity.

Carbon monoxide

Aldehydes

Other organic compounds.

Special protective equipment for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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

FOR NON-EMERGENCY PERSONNEL: No action shall be taken involving any personal risk or without suitable training. Evacuate surround areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

FOR EMERGENCY RESPONDERS: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "FOR NON-EMERGENCY PERSONNEL".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

SMALL SPILL: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water-insoluble, absorb with inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

LARGE SPILL: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
None.

Additional advice

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see section 8 of SDS). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

Not available.

Appropriate engineering controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protection equipment

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection



Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection (Hand protection/ Other)



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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection



Keep self contained breathing apparatus readily available for emergency use. Spraying increases the risk of hazardous exposure. In atmospheres where the material is sprayed, workers should avoid contact with aerosols through proper engineering controls such as exhaust ventilation and/or proper protective equipment such as full face air supplied respirators. Wear appropriate respirator when ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--|-----------------------------------|
| Appearance | Liquid |
| Color. | Light Yellow |
| Odor | Slight. |
| Odor Threshold (ppm) | Not available. |
| pH (Value) | 7 |
| Melting Point (°C) / Freezing Point (°C) | Not available. |
| Boiling point/boiling range (°C): | 392°F (200°C) |
| Flash Point (°C) | 302°F (150°C) |
| Evaporation Rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Explosive Limit Ranges | Not applicable. |
| Vapour pressure (mmHg) | Not available. |
| Vapour Density (Air=1) | Not available.. |
| Density (g/ml) | 1.17 @ 25°C (9.76 lb/gal @ 25°C) |
| Solubility (Water) | Negligible. |
| Solubility (Other) | Not available. |
| Partition Coefficient (n-Octanol/water) | 3 |
| Auto Ignition Point (°C) | >572°F (>300°C). |
| Decomposition Temperature (°C) | Not available. |
| Viscosity | 2,500 – 4,500 mPa•s @ 77°F (25°C) |
| Other information | No additional information. |

SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Stable under normal conditions. |
| Chemical stability | The product is stable. |
| Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | No data available. |
| Incompatible materials | Reactive or incompatible with the following materials: strong oxidizing agents, strong acids, aliphatic amines. |
| Hazardous decomposition product(s) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Other hazards | Reacts with considerable heat release with some curing agents. Run-a-way cure reactions may char and decompose the resin system, generating unidentified fumes and vapors which may be toxic. Heating this substance above 300 deg. F in the presence of air may cause slow oxidative decomposition; above 500 deg. F polymerization may occur. Some combinations of resins and curing agents can produce exothermic reactions which in large masses can cause runaway polymerization and charring of the reactants |

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Likely routes of exposure Eye, Inhalation, Skin.

| | |
|--------------------|---|
| Effects on eye | Contact with eyes may cause irritation. |
| Effects on Skin | No data available. |
| Inhalation Effects | This product presents an elevated inhalation health risk when used in spray or aerosol applications. May cause respiratory tract irritation and coughing. |
| Ingestion Effects | Causes skin irritation. May cause an allergic skin reaction. Irritating to mouth, throat and stomach. |
| Symptoms | No data available. |

Acute toxicity

| | |
|-----------------------------------|--|
| Oral Toxicity | No data available. |
| Inhalation | May cause respiratory irritation. |
| Ingestion | Irritating to mouth, throat and stomach. |
| Acute Dermal Toxicity | No data available. |
| Skin corrosion/irritation | Causes skin irritation. May cause an allergic skin reaction. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| Sensitization | No data available. |

Chronic toxicity or effects from long term exposures

| | |
|---|---|
| Carcinogenicity | No known significant effects or critical hazards. |
| Reproductive toxicity | No known significant effects or critical hazards. |
| Germ cell mutagenicity | No known significant effects or critical hazards. |
| Specific target organ systemic toxicity (single exposure) | Respiratory tract irritation. |

| | |
|--|--------------------|
| 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. May cause allergic skin reaction.

SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|--------------------|
| Ecotoxicity | |
| Aquatic toxicity | No data available. |
| Toxicity to other organisms | No data available. |
| Persistence and degradability Conclusion/Summary | |
| Biodegradability | No data available. |
| Mobility | No data available. |
| Bioaccumulation | No data available. |

SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|--------------------------------|--|
| Waste treatment methods | Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice. |
| Additional Information | None known. |

SECTION 14: TRANSPORT INFORMATION

| | Land transport (U.S. DOT) | Sea transport (IMDG) | Air transport (ICAO/IATA) |
|-------------------------------------|--------------------------------------|---------------------------------|--------------------------------------|
| UN number | Not Regulated | Not Regulated | Not Regulated |
| Proper Shipping Name | | | |
| Transport hazard class(es) | | | |
| Packing group | | | |
| Environmental hazards | | | |
| Special precautions for user | | | |

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

| Chemical Name | CAS No. | Typical %wt. | RQ (Pounds) |
|---------------|---------|--------------|-------------|
| None | ----- | ----- | ----- |

SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

| Chemical Name | CAS No. | Typical %wt. |
|---------------|---------|--------------|
| None | ----- | ----- |

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

| Chemical Name | CAS No. | Typical %wt. | RQ (Pounds) | TPQ (Pounds) |
|---------------|---------|--------------|-------------|--------------|
| None | ----- | ----- | ----- | ----- |

Proposition 65 (California):

| Chemical Name | CAS No. | Typical %wt. | Hazards |
|-----------------------------|----------|--------------|----------------------|
| Oxirane, 2-(phenoxymethyl)- | 122-60-1 | <0.1 | Cancer |
| Oxirane, 2-(chloromethyl)- | 106-89-8 | <1 | Cancer, Reproductive |

⚠ WARNING: This product can expose you to chemicals including Oxirane, 2-(phenoxymethyl)- and Oxirane, 2-(chloromethyl)-, that is known to the State of California to cause cancer and cancer and reproductive harm. For more information, go to www.P65Warnings.ca.gov.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Hazard Statement(s) Listed in: SECTION 3

- H315: Causes skin irritation. 2
- H317: May cause an allergic skin reaction. 1
- H319: Causes serious eye irritation. 2A
- H335: May cause respiratory irritation. STOT SE (Resp. Tract) 3

Additional Information: Non.

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