

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product Name: EPO-Guard™ EPO-200 Part B
Revision Date: Feb 23, 2024
Version: 1.0
Manufacturer's Name: Res-Tek, Inc.
Address: 110 Riverside Drive SW Cartersville, GA, 30120 United States of America
Emergency Phone: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted).
Information Phone Number: 1-888-737-8351 / 1-770-427-4034
Product/Recommended Uses: Industrial Flooring Resin

Date Printed: Feb 23, 2024
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SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute toxicity Dermal - Category 1
Acute toxicity Oral - Category 4
Reproductive Toxicity - Category 2
Serious Eye Damage - Category 1
Skin Corrosion - Category 1C
Skin Sensitizer - Category 1

Safety data sheet prepared in accordance to the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Pictograms



Signal Word

Danger

Hazardous Statements - Health

H310 - Fatal in contact with skin
H302 - Harmful if swallowed
H361 - Suspected of damaging fertility or the unborn child
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Precautionary Statements - Prevention

P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

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

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements - Response

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P310 - Immediately call a POISON CENTER or doctor.

P321 - Specific treatment (see First-Aid on this label).

P361 + P364 - Take off immediately all contaminated clothing. And wash it before reuse.

P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 - Rinse mouth.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

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

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P363 - Wash contaminated clothing before reuse.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.

Precautionary Statements - Storage

P405 - Store locked up.

Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local/national/international regulations.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0061788-44-1	PHENOL, STYRENATED	40% - 50%
0009046-10-0	POLY(PROPYLENEGLYCOL)DIAMINE	30% - 40%
0000090-72-2	2,4,6-TRI(DIMETHYLAMINOMETHYL) PHENOL	5% - 10%
0000140-31-8	AMINOETHYLPIPERAZINE	1% - 5%
0002855-13-2	ISOPHORONE DIAMINE	1% - 5%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. Immediately call a POISON CENTER or doctor.

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. Continue rinsing for a duration of 30 minutes or until medical aid is available. Immediately call a POISON CENTER or doctor. Avoid direct contact. Wear chemical protective gloves, if necessary.

Skin Contact

Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately call a POISON CENTER or doctor. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). Avoid mouth-to-mouth contact by using a barrier device. Wash contaminated clothing before re-use or discard. Rinse skin with lukewarm, gently flowing water/shower for a duration of 30 minutes or until medical aid is available.

Ingestion

Rinse mouth. IF exposed or concerned: Get medical advice/attention. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

Treat according to symptoms (decontamination, vital functions), no known specific antidote. Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Large Fire : Water spray, fog or alcohol-resistant foam. Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use straight stream of water.

Specific Hazards in Case of Fire

Fire will produce irritating and corrosive gases.

Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Stay uphill and/or upstream. Ventilate closed spaces before entering. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Evacuate and isolate hazard area and keep unauthorized personnel away.

Recommended Equipment

Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA). Wear liquid tight chemical protective clothing in combination with positive pressure self-contained breathing apparatus (SCBA).

Personal Precautions

Avoid breathing vapor or mist. Do not get on skin, eyes, or clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Absorb Liquids in vermiculite, dry sand, earth, or similar inert material and deposit in sealed containers for disposal. Ventilate area after clean-up is complete.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use. Do not get in eyes, on skin, or on clothing. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored All containers must be properly labelled. Do not breathe vapor or mist.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Report ventilation failures immediately.

Storage Room Requirements

Store in a cool, dry, well ventilated area, away from sources of ignition and incompatibilities. Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Indoor storage should meet OSHA standards and appropriate fire codes. Empty containers retain residue and may be dangerous.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

None of the chemicals in Section 3 are regulated under "ACGIH_carcinogen", "ACGIH_Notations", "ACGIH_TLV_Basis", "ACGIHsmg", "ACGIHsppm", "ACGIHtmg", "ACGIHtppm", "CAN_AL_Carcinogen", "CAN_AL Notation", "CAN_ALsmg", "CAN_ALsppm", "CAN_ALtmg", "CAN_ALtppm", "CAN_ONsmg", "CAN_ONsppm", "CAN_ONtmg", "CAN_ONtppm", "CAN_QCVECDmg - CANADA_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE_mg", "CAN_QCVECDppm - CANADA_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE_ppm", "CAN_QCVEMPMg - CANADA_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_mg", "CAN_QCVEMPPpm - CANADA_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_ppm", "CANsmg", "CANsppm", "CANtmg", "CANtppm", "NIOSH_carcinogen", "nioshsmg", "nioshsppm", "nioshtmg", "nioshtppm", "OSHA_SkinDesignation", "OSHA_Tables_Z1_Z2_Z3", "OSHACarcinogen - OSHA Carcinogen", "OSHAsmg", "OSHAsppm", "OSHAtmg", "OSHAtppm"

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color.	Amber.
Odor	Amine Like.
Odor Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	>200 (>392 °F).
Flash Point (°C)	Not available.
Evaporation Rate	Not available.
Flammability (solid, gas)	Not available.
Explosive Limit Ranges	Not available.
Vapour pressure (mmHg)	Not available.
Vapour Density (Air=1)	Not available.
Density (g/ml)	0.990 @ 25 °C (8.26 lb/gal).
Specific Gravity	0.990.
Solubility (Water)	Not available.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Dynamic Viscosity (cPs @ 25°C)	120.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	None.

SECTION 10) STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical Stability

Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions/Polymerization

Will not occur.

Conditions To Avoid

Avoid heat, sparks, flame and contact with incompatible materials

Incompatible Materials

Strong bases, acids, and oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon.

SECTION 11) TOXICOLOGICAL INFORMATION

Acute Toxicity

Fatal in contact with skin

Harmful if swallowed

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is 1500 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

The Acute Toxicity Estimate (ATE) for an inhalation (dust and mist) exposure to this mixture is >5 mg/l

Aspiration Hazard

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive Toxicity

Suspected of damaging fertility or the unborn child

Respiratory/Skin Sensitization

May cause an allergic skin reaction

Serious Eye Damage/Irritation

Causes serious eye damage

Skin Corrosion/Irritation

Causes severe skin burns and eye damage

Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Based on available data, the classification criteria are not met.

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

SECTION 14) TRANSPORT INFORMATION

Display Order	U.S. DOT Information	IMDG Information	IATA Information
UN Number	UN2927	UN2927	UN2927
UN proper shipping name	Toxic liquids, corrosive, organic, n.o.s. (2,4,6-TRI (DIMETHYLAMINOMETHYL) PHENOL, AMINOETHYLPIPERAZINE, ISOPHORONE DIAMINE, Poly (propyleneglycol)diamine)	Toxic liquids, corrosive, organic, n.o.s. (2,4,6-TRI (DIMETHYLAMINOMETHYL) PHENOL, AMINOETHYLPIPERAZINE, ISOPHORONE DIAMINE, Poly (propyleneglycol)diamine)	Toxic liquids, corrosive, organic, n.o.s. (2,4,6-TRI (DIMETHYLAMINOMETHYL) PHENOL, AMINOETHYLPIPERAZINE, ISOPHORONE DIAMINE, Poly (propyleneglycol)diamine)
Transport Hazard class(es)	6.1 (8)	6.1 (8)	6.1 (8)
Packing group	I	I	I
Hazardous substance (RQ)	No Data Available	No Data Available	No Data Available
Environmental hazards	No Data Available	No Data Available	No Data Available
Special precautions for user	No Data Available	No Data Available	No Data Available
Transport in bulk according to Annex II of MARPOL and the IBC code	No Data Available	No Data Available	No Data Available

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0061788-44-1	PHENOL, STYRENATED	40% - 50%	DSL, SARA312, TSCA, TSCA_UVCB - CHEMICAL SUBSTANCES OF UNKNOWN OR VARIABLE COMPOSITION, COMPLEX REACTION PRODUCTS AND BIOLOGICAL MATERIALS, TSCA_CDR - TSCA - Chemical Data Reporting (CDR) Rule, TSCATS - TOXIC SUBSTANCES CONTROL ACT TEST SUBMISSIONS
0009046-10-0	POLY (PROPYLENEGLYCOL)DIAMINE	30% - 40%	DSL, SARA312, TSCA, TSCA12B, TSCA_CDR - TSCA - Chemical Data Reporting (CDR) Rule, TSCATS - TOXIC SUBSTANCES CONTROL ACT TEST SUBMISSIONS
0000090-72-2	2,4,6-TRI (DIMETHYLAMINOMETHYL) PHENOL	5% - 10%	DSL, SARA312, TSCA, TSCA_CDR - TSCA - Chemical Data Reporting (CDR) Rule, TSCATS - TOXIC SUBSTANCES CONTROL ACT TEST SUBMISSIONS

0000140-31-8	AMINOETHYLPIPERAZINE	1% - 5%	DSL, SARA312, TSCA, PA_HAZ, NJ_RightToKnow_HazSubList - NJ_Right to Know Hazardous Substance List (RTKHSL), NJ_RightToKnow_SpecialHealthHazard_SubList - NJ_Right To Know Special Health Hazard Substance List, TSCA_CDR - TSCA - Chemical Data Reporting (CDR) Rule, MA_RightToKnow - MASSACHUSETTS RIGHT TO KNOW, TSCATS - TOXIC SUBSTANCES CONTROL ACT TEST SUBMISSIONS
0002855-13-2	ISOPHORONE DIAMINE	1% - 5%	DSL, SARA312, TSCA, NJ_RightToKnow_HazSubList - NJ_Right to Know Hazardous Substance List (RTKHSL), NJ_RightToKnow_SpecialHealthHazard_SubList - NJ_Right To Know Special Health Hazard Substance List, TSCA_CDR - TSCA - Chemical Data Reporting (CDR) Rule, TSCATS - TOXIC SUBSTANCES CONTROL ACT TEST SUBMISSIONS

Product does not contain any chemicals listed under California Proposition 65.

SECTION 16) OTHER INFORMATION

Glossary

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL - Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

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