

# SAFETY DATA SHEET

## SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

**Product Name:** RT-TBP (Tile Bond Promoter)  
**Revision Date:** Jul 11, 2025  
**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 Additive.

**Date Printed:** Jul 11, 2025  
**Supersedes Date:** N.A.

## SECTION 2) HAZARDS IDENTIFICATION

### Classification

Eye Irritation - Category 2A

Skin Irritation - Category 2

Skin Sensitizer - Category 1

Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) - Category 3

Chronic aquatic toxicity - Category 3

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

Warning

### Hazardous Statements - Health

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H335 - May cause respiratory irritation

### Hazardous Statements - Environmental

H412 - Harmful to aquatic life with long lasting effects

### 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

P273 - Avoid release to the environment.

P264 - Wash thoroughly after handling.

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

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

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

P271 - Use only outdoors or in a well-ventilated area.

P233 - Keep container tightly closed.

#### Precautionary Statements - Response

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

P337 + P313 - If eye irritation persists: Get medical advice/attention.

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

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

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

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

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

P312 - Call a POISON CENTER/doctor if you feel unwell.

#### Precautionary Statements - Storage

P403 + P405 - Store in a well-ventilated place. 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
0032435-46-4	2-PROPENOIC ACID, 2-METHYL-, PHOSPHINICOBIS(OXY-2,1-ETHANEDIYL) ESTER	80% - 100%

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. Call a POISON CENTER/doctor if you feel unwell. Take precautions to ensure your own safety (e.g. wear appropriate protective equipment).

#### Eye Contact

If eye irritation persists: Get medical advice/attention. 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. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. Avoid direct contact. Wear chemical protective gloves, if necessary.

#### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation or a rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

#### Ingestion

Rinse mouth. If you feel unwell/If concerned: Call a POISON CENTER/doctor. If exposed/If you feel unwell/If concerned: Get medical advice/attention.

#### 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

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

### **Unsuitable Extinguishing Media**

Do not use straight stream of water.

### **Specific Hazards Arising from the Chemical**

Fire will produce irritating gases. Runoff may pollute waterways

### **Precautions for Firefighters**

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 Equipment**

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.

### **Protective Equipment**

Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

### **Personal Precautions**

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

### **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. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **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. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. All containers must be properly labelled. Eyewash stations and showers should be available in areas where this material is used and stored. Do not get in eyes, on skin, or on clothing. 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 - ACGIH\_STEL\_(mg/m3)", "ACGIHsppm - ACGIH\_STEL\_ppm", "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.	Clear. Water White.
Odor	Mild characteristic odor.
Odor Threshold (ppm)	Not available.
pH (Value)	0.8 to 1.6. .
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	221 (430 °F)
Flash Point (°C)	Not available.
Evaporation Rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not available.
Vapour pressure (mmHg)	Not available.
Vapour Density (Air=1)	Not available.
Density (g/ml)	1.28 @ 25 °C (10.68 lb/gal).
Specific Gravity	1.28
Solubility (Water)	Not available.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	1.21.
Auto Ignition Point (°C)	430 (806°F)
Decomposition Temperature (°C)	Not available.
Dynamic Viscosity (cPs @ 25°C)	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available.

## 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, high temperature 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**

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 >5000 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.

### **Respiratory/Skin Sensitization**

May cause an allergic skin reaction

### **Reproductive Toxicity**

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

### **Serious Eye Damage/Irritation**

Causes serious eye irritation

### **Skin Corrosion/Irritation**

Causes skin irritation

### **Specific Target Organ Toxicity - Repeated Exposure**

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

### **Specific Target Organ Toxicity - Single Exposure**

May cause respiratory irritation

### **Likely Routes of Exposure**

Inhalation, Ingestion, Skin contact, Eye contact

### **Chronic Exposure**

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

### **Potential Health Effects - Miscellaneous**

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

## **SECTION 12) ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Harmful to aquatic life with long lasting effects

### **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:	Not Regulated	Not Regulated	Not Regulated
UN proper shipping name:	N/A	N/A	N/A
Transport Hazard class(es)	Not Applicable	Not Applicable	Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable
Hazardous substance (RQ)	Not Applicable	Not Applicable	Not Applicable
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
0032435-46-4	2-PROPENOIC ACID, 2-METHYL-, PHOSPHINICOBIS (OXY-2,1-ETHANEDIYL) ESTER	80% - 100%	Canada_NPRI, DSL - Domestic Substance List, SARA312, TSCA - Toxic Substances Control Act (TSCA), TSCA_CDR - TSCA - Chemical Data Reporting (CDR) Rule

## 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.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.