

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Bis Hema Phosphate
Product Name / Trade Name	RT-TBP (Tile Bond Promoter)
CAS No.	32435-46-4

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

Identified Use(s)	Industrial Flooring Additive
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 Irrit.. 2; Eye Irrit. 2A; STOT SE (Resp. Irrit.) 3
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Label elements

Hazard Symbol



Signal Word(s)

WARNING

Hazard Statement(s)

Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

Precautionary Statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/ eye protection/ face protection.
IF ON SKIN: Wash with plenty of soap and water.
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.
Call a POISON CENTER or doctor/ physician if you feel unwell.

If skin irritation occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Bis Hema Phosphate	100	32435-46-4	Skin Irrit. 2; H315 Eye Irrit. 2A; H319 STOT SE (Resp.Irrit.) 3; H335

For full text of H phrases see section 16.

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If no breathing give artificial respiration. Seek immediate medical attention.

Skin Contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention. Wash contaminated clothing before reuse.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do.

Ingestion

Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

Most important symptoms and effects, both acute and delayed

EYES: May cause pain, redness and swelling. SKIN: Contact causes skin irritation. INGESTION: Irritating to mouth, throat and stomach.

Indication of any immediate medical attention and special treatment needed

None anticipated.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media

Extinguish with water spray, alcohol resistant foam, dry chemical or carbon dioxide.

-Unsuitable Extinguishing Media

None anticipated.

Special hazards arising from the substance or mixture

CO, CO₂, Phosphorous oxides.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Put on protective equipment before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Contain spillages with sand, earth or any suitable adsorbent material. Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with detergent and water. If possible prevent water running into sewers.

Reference to other sections
Additional Information

Section 8 and 13.
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Store in a well ventilated place. Keep container tightly closed. Store locked up. Wear protective gloves/protective clothing/eye protection/face protection. Do not get in eyes, on skin or clothing. Store in a cool place below 35°C.

Conditions for safe storage, including any incompatibilities

- Storage temperature Store in a cool place below 35°C.
- Incompatible materials Strong oxidising agents and strong bases.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Bis Hema Phosphate	32435-46-4	-----	-----	-----	-----	-----

- TWA: Time Weighted Average; STEL: Short Term Exposure Limit; PEL: Permissible Exposure Level; TLV: Threshold Limit Value

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Mechanical ventilation recommended.

Personal protection equipment

Eye/face protection



Wear protective eyewear, goggles, face shield, or safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection (Hand protection/ Other)



Respiratory protection



Thermal hazards

Environmental Exposure Controls

Wear chemical resistant gloves impervious to this product. Gloves must be inspected prior to use. Check with protective equipment manufacturer's data. Gloves should be changed regularly to avoid permeation problems. Wash and dry hands.

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place. Rubber gloves, non-slip shoes and non-absorbent clothing are recommended.

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Not normally required.

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid.
Color.	Colorless.
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 available.
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 @ 25 °C)
Specific Gravity	1.28
Solubility (Water)	Not available.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	1.21.
Auto Ignition Point (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt)	Not available.
Explosive properties	Not explosive.
Other information	None.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	Not to be expected.
Conditions to avoid	Incompatible materials.
Incompatible materials	Strong oxidising agents and amines.
Hazardous decomposition product(s)	Combustion or thermal decomposition will evolve carbon oxides, CO, CO ₂ , and Phosphorous oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Acute toxicity (estimated / calculated)	No data available.
Inhalation	No data available.
Dermal	No data available.
Skin Corrosivity / Irritation	No data available.
Serious Eye Damage / Eye Irritation	No data available.
Respiratory or Skin Sensitization	No data available.
Sensitization	No data available.
Mutagenicity	No data available.

Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.
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NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Toxicity for reproduction	No data available.
Specific Target Organ Toxicity – Single Exposure	Inhalation – May cause respiratory irritation.
Specific Target Organ Toxicity – Repeated Exposure	No data available.
Other information	None.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Bis Hema Phosphate CAS No. 32435-46-4:

Acute toxicity	No data available.
Long Term Toxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	None known.

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 dangerous goods	Not dangerous goods	Not dangerous goods
Proper Shipping Name			
Transport hazard class(es)			
Packing group			

Environmental hazards
Special precautions for user

No
None assigned

No
None assigned

No
None assigned

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

* Reportable Quantity (RQ) substance

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): No applicable.

SARA 311/312 - Hazard Categories:

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

SARA 313 - Toxic Chemicals (40 CFR 372): This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302 - Extremely Hazardous Substances (40 CFR 355): No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Proposition 65 (California): This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

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

Date of preparation: February 5, 2019

Hazard Statement(s) Listed in: SECTION 3

H315: Causes skin irritation; 2.

H319: Causes serious eye irritation; 2A.

H335: May cause respiratory irritation. Specific target organ toxicity, single exposure; Respiratory tract irritation.; 3.

Additional Information: None.

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