

SAFETY DATA SHEET: TEC-THERM



1. IDENTIFICATION

Product Name: TEC-THERM

Formula and Formula Weight: Mixture NA
Integra numbers beginning with: D918.50
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

TEC-THERM
1320 1st Street
Rock Island, IL 61201
Phone: 309 788 5631

24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)

2. HAZARDS IDENTIFICATION

| <u>OSHA Classification:</u> | <u>Hazard Category:</u> | <u>Hazard Statement:</u> |
|--|-------------------------|--|
| Acute Toxicity - Oral | 4 | Harmful if swallowed. |
| Eye Damage/Irritation | 2A | Causes serious eye irritation. |
| Toxic to Reproduction | 2 | Suspected of damaging fertility or the unborn child. |
| Specific Target Organ Toxicity (single exposure) | 1 | Causes damage to organs if swallowed. |

Signal Word: DANGER



Precautionary Statements

Prevention:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust, fume, gas, mist, vapors, spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection, face protection.

Response

If swallowed: Call a poison center, doctor if you feel unwell.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed: Call a poison center, doctor.
Specific treatment (see first aid section on this label)
Rinse mouth.
If eye irritation persists: Get medical advice, attention.

Storage

Store locked up.

Disposal

Dispose of contents, container in accordance with all governmental regulations.

Hazards Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>Synonyms</u> | <u>CAS #</u> | <u>% Weight</u> |
|-----------------------------|---|--------------|-----------------|
| Ethylene glycol | 1,2-Ethenediol | 00107-21-1 | >95 |
| Water | | 07732-18-5 | <3 |
| Potassium phosphate dibasic | Dipotassium hydrogen phosphate; Dipotassium phosphate; DKP; Potassium monophosphate | 07758-11-4 | <3 |

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air.
Eye Contact: Flush eyes with plenty of water. Remove contact lenses, if present and easy to do. If irritation persists, seek medical attention.
Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.
Ingestion: Rinse mouth and give victim large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Additional notes: Symptoms and effects include skin, eye, respiratory irritation, temporary corneal damage; central nervous system effects,

cardiopulmonary effects, kidney failure; nausea, vomiting, abdominal pain, weakness, exhaustion; dizziness, stupor, convulsions skin sensitization.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water fog, carbon dioxide, dry chemical, foam.
Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.
Specific Hazards: Fire conditions may liberate toxic and noxious fumes.
Hazardous combustion products: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Prevent spread of spill. Absorb with sand or inert material. Sweep or scoop into a disposal container. Flush spill area with water. Contain runoff. Do not flush to sewer or storm drain.

7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong acids, strong bases, strong oxidizers. Silver compounds, oleum.
Storage and Handling: Store locked up in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust, fume, gas, mist, vapors, spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection, face protection.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

| | |
|-----------------------------|---|
| Ethylene glycol | ACGIH Ceiling: 100 mg/m ³ (aerosol only) |
| Water | None identified |
| Potassium phosphate dibasic | None identified |

Engineering Controls: Use general or local exhaust ventilation to meet TLV and PEL requirements.

Respiratory Protection: Respiratory protection required if airborne concentrations exceed PEL or TLV. Use a NIOSH approved chemical cartridge respirator with an organic vapor cartridge and an oil-proof particulate filter.

Skin/Eye Protective Equipment: Safety goggles, protective clothing and gloves appropriate for the risk of exposure.
Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-----------------------------------|
| Appearance: | Clear, red to pink viscous liquid |
| Odor: | Not available |
| Odor Threshold: | Not available |
| pH: | Not available |
| Melting/Freezing Point: | Not available |
| Initial Boiling Point and Boiling Range: | 163 °C |
| Flash Point: | 232 °F |
| Evaporation Rate: | Not available |
| Flammability: | Not available |
| Flammable or Explosive | Upper: Not available |
| Limits (% by volume in air) | Lower: 3.2 |
| Vapor Pressure: | 2.2 mm Hg @20°C |
| Vapor Density: | Not available |
| Relative Density: | 1.13 Water=1 |
| Solubility: | Miscible with water |
| Partition Coefficient: n-octanol/water | Not available |
| Auto-Ignition Temperature: | 748 °F |
| Decomposition Temperature: | Not available |
| Viscosity: | Not available |

10. STABILITY AND REACTIVITY

Reactivity: No information available
Stability: Stable
Possibility of Hazardous Reactions: Hazardous polymerization will not occur
Conditions to Avoid: Excessive heat.
Incompatibles: Incompatible with strong acids, strong bases, strong oxidizers. Silver compounds, oleum.
Decomposition Products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:

Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract. May cause dizziness, stupor, convulsions.
Skin Contact: Essentially non-irritating to skin. Prolonged or repeated exposure to large quantities may result in absorption of harmful amounts. May cause defatting, drying, and cracking of skin, sensitization.
Eye Contact: Contact is irritating to the eyes and may cause temporary corneal damage.
Ingestion: Harmful or fatal if swallowed. May cause nausea, vomiting, abdominal pain, weakness, exhaustion, central nervous system effects, cardiopulmonary effects and kidney failure.
Chronic Effects: Prolonged or repeated overexposure may result in delayed liver and/or kidney damage.
Target Organs: Eyes, skin, respiratory system, liver, kidneys, central nervous system.
Additional Effects: None identified
Reproductive Effects: May damage fertility or the unborn child.
Carcinogenicity: None identified

Toxicity Data:

| | | |
|-----------------------------|--------------------------|------------|
| Ethylene glycol | LD50 (skin, rabbit) | 9530 mg/kg |
| Water | No information available | |
| Potassium phosphate dibasic | No information available | |

12. ECOLOGICAL INFORMATION

| | <u>Aquatic Toxicity Data:</u> | <u>Terrestrial Toxicity Data:</u> |
|-----------------------------|--|-----------------------------------|
| Ethylene glycol | LC50 Bluegill: 27,540 mg/L - 96h; LC50 D | No information available |
| Water | No information available | No information available |
| Potassium phosphate dibasic | No information available | No information available |

Persistence and degradability: Expected to be biodegradable
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is not a regulated material for domestic ground transportation.

Environmental hazards: No information available
Special precautions: No information available
Bulk transport: No information available

15. REGULATORY INFORMATION

Ethylene glycol is listed in the TSCA inventory and in SARA 313.
Potassium phosphate dibasic is listed in the TSCA inventory.

16. OTHER INFORMATION

OSHA SDS #: 25582 rev 101 3/27/2015

NE = Not established, NA = Not applicable or Not available

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***** END OF SDS *****