

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Substance
Trade name : HeatShield Tie Coat Accelerator

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

Use of the substance/mixture : Accelerates curing time of HeatShield Cerfractory Cement

1.3. Details of the supplier of the safety data sheet

SaverSystems, Inc.
800 S. 7th Street
Richmond, 47374 - U.S.A.
T (765) 966-5084

1.4. Emergency telephone number

Chemtel : 1 (800) 255-3924 24/7

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GHS-US classification**

Eye Irrit. 2A H319

2.2. Label elements**GHS-US labelling**

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H319 - Causes serious eye irritation
Precautionary statements (GHS-US) : P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves, protective clothing
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

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Name : HeatShield Tie Coat Accelerator

Name	Product identifier	%	GHS-US classification
Triphosphoric acid, aluminum salt (1:1)	(CAS No) 13939-25-8	100	Eye Irrit. 2A, H319

Full text of H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. by trained personnel. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain emergency medical attention if pain, blinking, tears or redness persist.
First-aid measures after ingestion	: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Drink two glasses of water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: Inhalation of dust/particles. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Frequent or prolonged contact with skin may cause dermal irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use fire-extinguishing media appropriate for surrounding materials. Water spray. Foam. Dry powder. Carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters	: Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate ventilation. Avoid generation of dust. Avoid contact with skin, eyes and clothes. Avoid breathing dust, mist or spray.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing. Use appropriate respiratory protection. Wear eye protection. For further information refer to section 8 : Exposure-controls/personal protection.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Provide adequate ventilation to minimize dust concentrations.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Minimize generation of dust. Scoop solid spill into closing containers. Shovel into suitable and closed container for disposal. Store away from other materials. Dispose in a safe manner in accordance with local/national regulations.
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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Use only in well-ventilated areas. Wear protective gloves/protective clothing. Avoid breathing dust, powders. Avoid contact with skin and eyes. Wear eye protection. In case of insufficient ventilation, wear suitable respiratory equipment. Prevent contamination of soil, drains and surface waters. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
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Hygiene measures	: Wash Hands thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately.
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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: A washing facility/water for eye and skin cleaning purposes should be present. Facilities: shower, eye shower. Provide adequate ventilation to minimize dust concentrations.
Storage conditions	: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed. Store in dry protected location to prevent any moisture contact.
Incompatible materials	: Strong acids, bases.
Storage area	: Store in dry, cool, well-ventilated area.
Special rules on packaging	: Correctly labelled. Do not store in unlabeled containers. Avoid contact with water. Keep container tightly closed and dry.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation. Control airborne concentrations below the exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal protective equipment	: The following pictograms represent the minimum requirements for personal protective equipment. Protective goggles. Gloves. Protective clothing. Dust formation: dust mask. Avoid all unnecessary exposure.



Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses. with side-shields.
Skin and body protection	: Long sleeved protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	: Avoid discharge to the environment. Do not allow into drains or water courses.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Fine white powder
Color	: White.
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
pH solution	: 3
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available

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Relative vapour density at 20 °C	: No data available
Relative density	: 3 g/cm ³
Solubility	: Aluminium Tripolyphosphate is in white powder form, not soluble in water or ethyl alcohol, partly soluble in acid and alkali, can easily absorb humidity in the air, has absorbability to gas. Water: <= 3 % Slightly soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Keep away from acids. alkali. Humidity.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Metal oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

HeatShield Tie Coat Accelerator	
LD50 oral rat	>= 14000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. Fatal if swallowed.
Symptoms/injuries after inhalation	: Inhalation of dust/particles. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Frequent or prolonged contact with skin may cause dermal irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

HeatShield Tie Coat Accelerator

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

HeatShield Tie Coat Accelerator	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

ADR

Transport document description :

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Triphosphoric acid, aluminum salt (1:1) (13939-25-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

CANADA

Triphosphoric acid, aluminum salt (1:1) (13939-25-8)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	

EU-Regulations

Triphosphoric acid, aluminum salt (1:1) (13939-25-8)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.	

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

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Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36

Full text of R-phrases: see section 16

15.2.2. National regulations

Triphosphoric acid, aluminum salt (1:1) (13939-25-8)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
H319	Causes serious eye irritation

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product