



Suite 450
One North Shore Center
12 Federal Street
Pittsburgh, PA 15212

Safety Data Sheet

KR-TSP-Pdr.

1. IDENTIFICATION

Product name	KR-TSP-Pdr.
Description	Solid phosphate salt
Product class	Specialty
Supplier address	Suite 450 One North Shore Center 12 Federal Street Pittsburgh, PA 15212
Telephone numbers	
<u>Company Phone Number</u>	(412) 321-9800
<u>Emergency Telephone</u>	CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

Hazard classification	Skin Irritation, Category 2 Eye Irritation, Category 2A Specific Organ Toxicity: Single Exposure, Respiratory, Category 3
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Pictograms of related hazards	



Precautionary statements

Prevention

Wash skin thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, and face protection.
Avoid breathing fumes, mist, vapors, or spray.
Use only outdoors or in a well-ventilated area.

Response

IF ON SKIN: Wash with soap and water.
If skin irritation occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately contact a POISON CENTER or health care provider.

If eye irritation persists: Get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal

Dispose of contents and container in accordance with local, state, and federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Trisodium phosphate	7601-54-9	100

4. FIRST-AID MEASURES

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally to ensure complete rinsing. Remove contact lenses if present and easy to do, then resume rinsing. Get medical attention immediately.
Skin contact	Immediately remove all contaminated clothing. Rinse with copious amounts of water; use an emergency shower if available. Wash contaminated clothing before reuse.
Ingestion	If swallowed, DO NOT induce vomiting. Rinse mouth and get emergency medical attention. Do not give anything by mouth unless instructed to do so by a poison center or health care provider.
Inhalation	If inhaled, move victim to fresh air. Seek emergency medical attention if breathing is difficult; perform artificial respiration if breathing stops.
Note to health care provider	No specific information; treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing media appropriate for the surrounding fire.
Unsuitable extinguishing media	No information available
Protective equipment and precautions for firefighters	Stay upwind of the fire. Full protective equipment including self-contained breathing apparatus should be used. Use water to cool closed containers. Contain water runoff if possible.
Specific hazards	Combustion may produce toxic gases.
Hazardous combustion products	Phosphorous oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate the area of all non-essential personnel. Do not touch spilled material without proper protective equipment. Ventilate the area and mitigate further release if it is safe to do so. Avoid contact with eyes.
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Methods for clean-upSmall spills

Contain spill and soak up with an inert absorbent material and place residues in a properly labeled container for disposal. Avoid discharge into sewer or surface water.

Large spills

Contain spill using trenches, diking, or absorption with an inert material (i.e. sand or earth). Reclaim spilled material into recovery or salvage drums or tank truck for proper disposal.

7. HANDLING AND STORAGE**Advice on safe handling**

Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wash hands thoroughly after handling.

Storage conditions

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use.

Suitable materials of construction

No information available

Unsuitable materials of construction

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Eye/face protection**

Chemical splash goggles

Skin protection

Chemical-resistant gloves and body-covering clothing

Respiratory protection

Observe published airborne exposure limits. NIOSH approved respirator should be used in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

Engineering controls

Adequate ventilation, eye-wash station, and emergency shower

General hygiene considerations

Do not eat, drink, or smoke while handling this product.

Chemical Name	OSHA PEL	ACGIH TLV
Trisodium phosphate	None established	None established

9. PHYSICAL AND CHEMICAL PROPERTIES

pH	11.5-12.0
Appearance	White crystalline free-flowing granules or powder
Odor	No odor
Odor Threshold	No information available
Melting/freezing point	No information available
Initial boiling point/boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available

Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
VOC content	No information available
Specific gravity	2.500-2.580
Solubility	No information available
Partition coefficient n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of storage and handling.
Hazardous polymerization	Polymerization will not occur.
Conditions to avoid	Extreme temperatures, incompatibilities.
Incompatibilities	Strong acids, aluminum
Hazardous decomposition products	No information available

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure Skin, eyes, ingestion

Acute toxicity

Trisodium phosphate

Parameter	Result
LD ₅₀ , Oral (rat)	7,400 mg/kg

Acute symptoms and effects

Eye	Eye irritation with or without pain, burning, itching, redness, discharge, and serious eye damage.
Skin	Skin irritation with or without pain, burning, itching, redness, and swelling. Symptoms may be exacerbated by open wounds, excoriations, rashes, or other skin breaches.
Ingestion	Gastrointestinal distress with or without nausea, vomiting, and diarrhea.
Inhalation	Upper respiratory irritation with or without cough, watering of the eyes, and postnasal drip.
Reproductive effects	No information available
Teratogenicity	No information available
Mutagenicity	No information available
Embryotoxicity	No information available
Sensitization to product	No information available
Synergistic products	No information available

Carcinogenicity

No components have been identified as carcinogenic by OSHA, NTP, or IARC.

Chronic

No information available

12. ECOLOGICAL INFORMATION**Ecotoxicity
Product**

Product	Results
KR-TSP-Pdr	>100 mg/L

13. DISPOSAL CONSIDERATIONS**Disposal**

Dispose of in accordance with federal, state, and local regulations.

RCRA status

Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

14. TRANSPORT INFORMATION**US Department of Transportation (DOT)****UN Number**

UN3077

Proper shipping name

Environmentally hazardous substance, solid, n.o.s.
(contains trisodium phosphate)

Primary hazard class/division

9

Secondary hazard

None

Packing group

III

Label**15. REGULATORY INFORMATION****OSHA Hazard Communication
Status**

Skin Irritation, Category 2
Eye Irritation, Category 2A
Specific Organ Toxicity: Single Exposure, Respiratory,
Category 3

EPA Registration Number

Not applicable

TSCA

The ingredients of this product are listed on the Toxic
Substances Control Act (TSCA) Chemical Substances
Inventory.

CERCLAEPA Hazardous Substances (40 CFR 302)

Chemical Name	Reportable Quantity (RQ)
Trisodium phosphate	5,000 lb
Product (Notify the EPA of spills exceeding this amount.)	5,000 lb

SARA Title III (Sections 302, 311, 312, and 313)Section 302 Extremely Hazardous Substances (40 CFR 355)

Chemical Name	CAS#	RQ	TPQ
None			

Section 311 and 312 Health and Physical Hazards

Immediate	Delayed	Fire	Pressure	Reactivity
Yes	No	No	No	No

Section 313 Toxic Chemicals (40 CFR 372)

Chemical Name	CAS Number	Percent by Weight
None		

16. OTHER INFORMATION

HMIS Ratings	Health—2; Flammability—0; Reactivity—0
NFPA Ratings	Health—2; Flammability—0; Reactivity—0
HMIS/NFPA Rating Scale	Minimal—0; Slight—1; Moderate—2; Serious—3; Severe—4
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