



## Safety Data Sheet



**RESPONSIBLE CARE®**  
OUR COMMITMENT TO SUSTAINABILITY

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Identification

Product Name: POTASSIUM TRIPOLYPHOSPHATE ANHYDROUS  
Reference Number: AST10079  
Date: May 11, 2015  
Chemical Family: Phosphate Salts  
Chemical Name: Triphosphoric Acid, Pentapotassium Salt  
Synonyms: KTPP, MB 175

Distributed by: PVS NOLWOOD CHEMICALS, INC. 10900 Harper Avenue Detroit, MI 48213 (313) 925-0300	
PVS ITEM #	PVS SDS #
CONTROLLED DOCUMENT IF STAMPED IN RED	

#### Use of substance or preparation

Food ingredient, detergent builder, sequestrant, dispersant

#### Company/Undertaking Identification:

**ICL PERFORMANCE PRODUCTS LP**  
622 Emerson Road - Suite 500  
St. Louis, Missouri 63141

Emergency telephone In USA call CHEMTREC: 1 800 424 9300  
In Canada call CANUTEC: 1 613 996 6666

Outside the USA, including ships at sea, call CHEMTREC's international  
and maritime telephone number (collect calls accepted):  
+1 (703) 527-3887

General Information: 1 800 244 6169 (Worldwide)

### 2. HAZARDS IDENTIFICATION

GHS – This product does not meet the criteria for classification under GHS

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Composition

<u>Substance</u>	<u>CAS No.</u>	<u>%w/w</u>	<u>EINECS No</u>	<u>Risk Phrase</u>
Potassium Tripolyphosphate Anhydrous	13845-36-8	85	237-574-9	none
Tetrapotassium Pyrophosphate Anhydrous	7320-34-5	10	230-785-7	R36/37/38
Dipotassium Phosphate Anhydrous	7758-11-4	2	231-834-5	R36/37/38
Water	7732-18-5	3	231-791-2	none

### 4. FIRST AID MEASURES

#### General

Wash heavily contaminated clothing before reuse.



**Eye Contact**

Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing.

**Skin Contact**

Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing.

**Inhalation**

Immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air.

**Ingestion**

Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

**5. FIRE FIGHTING MEASURES**

**Extinguishing Media**

Not combustible. No special requirement. To extinguish fire use water spray, dry chemical, carbon dioxide, or appropriate foam

**Unsuitable extinguishable media**

Not combustible. No special requirement.

**Exposure hazards**

No special considerations.

**Protective equipment**

As a general precaution, firefighters and others exposed, wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Avoid unnecessary exposure and remove all material from eyes, skin, and clothing.

**Environmental precautions**

Small quantities: Avoid discharge into the environment.

Large quantities: Note methods for cleaning up in the next section.

**Method for cleaning up**

Sweep, scoop or vacuum and remove. Flush residual spill area with water.

Refer to Section 13 for disposal information and Section 15 for reportable quantity information.

**7. HANDLING AND STORAGE**

**Handling**

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.



**Engineering measures**

Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

**Storage**

Store in a cool, dry place to maintain product quality.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limit**

ACGIH TLV 10 mg/m<sup>3</sup> (inhalable) 8-hr TWA, 3 mg/m<sup>3</sup> (respirable) 8-hr TWA  
OSHA PEL 15 mg/m<sup>3</sup> (total dust) 8-hr TWA, 5 mg/m<sup>3</sup> (respirable) 8-hr TWA

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

**Respiratory protection**

Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134 or European Standard EN 149.

**Hand/Skin protection**

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

**Eye protection**

This product does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- a) Appearance: White Powder or granules
- b) Odor: None
- c) Odor threshold: Undetermined.
- d) pH: 9.6 (as a 1% solution @ 25 °C)
- e) Melting point/freezing point: 620-640 °C
- f) Initial boiling point and boiling range: Undetermined.
- g) Flash point: Undetermined
- h) Evaporation rate: Undetermined.
- i) Flammability (solid, gas) : Undetermined.
- j) Upper/lower flammability or explosive limits: Undetermined.
- k) Vapor pressure: Undetermined.
- l) Vapor density: Undetermined.
- m) Relative density: 0.94
- n) Solubility(ies) : Water: 66% @ 25 °C
- o) Partition coefficient: n-octanol/water: Undetermined.



**ICL Performance Products LP Safety Data Sheet**

Material: Potassium Tripolyphosphate Anhydrous

Reference No.: AST10079

Page 4 of 6  
May 11, 2015

- p) Auto-ignition temperature: Undetermined.
- q) Decomposition temperature: Undetermined.
- r) Viscosity: Undetermined.
- s) Specific Gravity: 0.95g/ml
- t) Chemical Formula:  $K_5P_3O_{10}$

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

**10. STABILITY AND REACTIVITY**

Product is stable under normal conditions of storage and handling.

**Conditions to avoid**

None known

**Materials to avoid**

None known

**Hazardous Decomposition**

None known

**11. TOXICOLOGICAL INFORMATION****Laboratory Data**

Data from ICL Performance Products LP single-dose (acute) animal studies with this material are given below:

Eye Irritation - rabbit: mildly irritating (unwashed eyes) [FMC 186-928]  
Eye Irritation - rabbit: nonirritating (washed eyes)

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**12. ECOLOGICAL INFORMATION****Environmental Toxicity**

ICL Performance Products LP has not conducted any ecological studies with this material.

**Environmental Fate**

ICL Performance Products LP has not conducted biodegradation studies with this product since when dissolved or hydrolyzed in water it yields completely mineralized materials.

**13. DISPOSAL CONSIDERATIONS****European Waste catalog number**

The data provided in this section is for information only. Please apply the appropriate classification for your waste.

06 03 07 – Waste from inorganic chemical processes, waste salts and their solutions, phosphates and related solid salts



**ICL Performance Products LP Safety Data Sheet**

Material: Potassium Triphosphate Anhydrous

Reference No.: AST10079

Page 5 of 6

May 11, 2015

**Disposal considerations**

This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dry material may be landfilled or recycled in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

**14. TRANSPORT INFORMATION**

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

**Road/Rail, Sea and Air**

IMDG/UN	Not regulated for transportation
ICAO/IATA	Not regulated for transportation
RID/ADR	Not regulated for transportation
Canadian TDG	Not regulated for transportation
US DOT	Not regulated for transportation

**15. REGULATORY INFORMATION****EC Label**

Hazard Symbol:	none
Risk Phrase	R36/37/38 – irritating to eyes, respiratory system and skin
Safety Phrase	S26 – In case of contact with eyes, immediately flush with plenty of water and seek medical attention. S36/37-Wear suitable protective clothing and gloves.

**Chemical Inventory**

USA TSCA:	Listed
Canada DSL:	Listed
EC:	Listed
Australia:	Listed
Korea:	Listed
Philippines:	Listed
China:	Listed

**Additional Information**

WHMIS Classification: Not controlled

**SARA Hazard Notification**

Hazard Categories Under Title III Rules (40 CFR 370):	Immediate
Section 302 Extremely Hazardous Substances:	None
Section 313 Toxic Chemical(s):	None

CERCLA Reportable Quantity: Not applicable

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation and the MSDS contains all the information required by the Canadian Controlled Products Regulation.

Refer to Section 11 for OSHA Hazardous Chemical(s) and Section 13 for RCRA classification.



**ICL Performance Products LP Safety Data Sheet**

Material: Potassium Tripolyphosphate Anhydrous

Reference No.: AST10079

Page 6 of 6

May 11, 2015

**16. OTHER INFORMATION**

	Health	Fire	Reactivity	Additional Information
Suggested NFPA Rating	1	0	0	
Suggested HMIS Rating	1	0	0	F F = safety glasses, gloves, synthetic apron, dust respirator

Reason for revision: Update Sections 2, 3, 9. Supersedes MSDS dated: July 3, 2014

Responsible Care ® is a registered trademark of the American Chemistry Council.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, ICL Performance Products LP makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ICL Performance Products LP be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS

AST10079.1950.doc