



Potassium Tripolyphosphate, Anhydrous

SAFETY DATA SHEET

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SDS#: 987

Review/Revision Date: 05/15/17

SECTION 1 - General Information And Chemical Product Identification

Trade Name: **Potassium Tripolyphosphate, Anhydrous**

CAS #: **13845-36-8**

Chemical Name: **Potassium Tripolyphosphate, Tech Grade**

Product Code:
KTPPTGICL

Application/Uses/ **Paintings and coatings, latex paint, colored coatings, water-based paint, dispersant buffer, sequestrant, beverage, base**

Restrictions **None Specified**

Distributor Information **LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730, Phone: (732) 888 8000**

Fax: (732) 264 2751 * email: info@lidochem.com

Emergency phone #: **CHEMTREC - Day or Night - at 800 424 9300**

SECTION 2 - Hazard(s) Identification

Classification of the substance or mixture (GHS-US)

STOT Single Exposure - Category 3,
Skin Corrosion/Irritation - Category 2,
Serious Eye Damage, Eye Irritation - Category 2A

Physical Hazards

None

Hazard Statement

H302: Harmful if swallowed

H313: May be harmful in contact with skin

H319: Causes serious eye irritation

OSHA Defined Hazards

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910,1200.

HNOC - Hazards Not Otherwise Classified

No other hazards classified



Irritant

Signal Word

Warning

GHS Precautionary Statements - Prevention, Response, Storage, Disposal

P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P233: Keep container tightly closed

P271: Use only outdoors or in a well-ventilated area
P280: Wear protective gloves/protective clothing/eye protection/face protection

P264: Wash skin thoroughly after handling
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312: Call a POISON CENTER or doctor/physician if you feel unwell

P303+361+351: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes

P333+313: If skin irritation or a rash occurs: Get medical advice/attention
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P337+313: If eye irritation persists get medical advice/attention

P403+233: Store in a well-ventilated place. Keep container tightly closed
P405: Store locked up

P501: Dispose of contents/container to local, state and federal regulations.

SECTION 3 Composition/information On Ingredients

Molecular Weight: **448**

Chemical FORMULA: **K₅ P₃ O₁₀**

CAS#:	Common Name/Synonyms:	% by Wt.
13845-36-8	Potassium Tripolyphosphate	100%

SECTION 4 - First Aid Information

Description of first aid measures

General Advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If Inhaled:

Remove victim from immediate source of exposure to fresh air and assure that the victim is breathing. If breathing is difficult, administer oxygen, preferably with a physician's advice. If victim is not breathing, administer CPR (cardiopulmonary resuscitation). Seek medical attention.

In Case Of Skin Contact:

Remove contaminated clothing, including shoes and immediately wash affected area with plenty of soap and water. Seek medical attention if irritation occurs. Wash contaminated clothing and shoes before reuse. P337+313: If eye irritation persists get medical advice/attention

In Case Of Eye Contact:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If present and easy to do, remove contact lenses. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

If Swallowed:

If victim is conscious and alert, give 1-2 glasses of water to drink. **Never give anything to eat or drink to someone who is unconscious, having convulsions, or unable to swallow.** Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Most important symptoms and effects, both acute and delayed:

ACUTE: At high dust concentrations, irritation of eyes, skin, nose and upper respiratory tract by chemical or mechanical action may occur.

Skin: Redness and/or itching of the skin. **Eye:** Redness and possible itching and/or tearing of the eyes. **Inhalation:** Dust may cause irritation of respiratory tract and symptoms of bronchitis may result. Possible coughing, burning, tightness of chest and/or shortness of breath. **Ingestion:** Possibly nausea and/or vomiting. **CHRONIC:** None Found

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5 - Fire And Explosion Data

Suitable Extinguishing Media:

Not combustible. Use extinguishing media suitable for surrounding fire.

Unsuitable Extinguishing Media:

None specified

Specific Hazards arising from the chemical:

This product is a non-flammable/ Non-combustible inorganic substance. However, hazardous decomposition and combustion products of Oxides of Phosphorus may be formed in a fire situation.

Special protective equipment and precautions for fire-fighters:

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing.

Fire-fighting equipment/instructions

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate nonessential personnel from the fire area. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment. Cool exposed containers with water spray to prevent overheating.

Specific Methods

Standard procedure for chemical fires.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Do not touch or walk through spilled material. Keep Unauthorized personnel away. After wearing and using recommended protective equipment, stop source of spill if safe to do so and dike area to contain spill. See Section 8 for personal protective equipment.

Environmental Precautions:

Flush area with water and ensure that the contaminated water is handled according to applicable laws. If large spill, contain material as described above and call local fire or police department for immediate emergency assistance. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

Methods and Materials for Containment and Clean Up:

Stop source of spill if safe to do so. Sweep up spilled solid material, being careful not to create dust. Use clean non-sparking tools and equipment. Return sweeping to stock or, if contaminated, place into a chemical waste container for disposal. Wash away residue with water.

Section 7- Handling and Storage

Precautions for safe handling:

Use appropriate personal protective equipment as specified in Section VIII. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices. Avoid breathing dust. Avoid direct or prolonged contact with skin and eyes. Do not ingest. Do not use in areas without adequate ventilation.

Conditions for safe storage:

Store in a cool, dry place. Store in a tightly closed container. This product is hygroscopic and tends to cake on storage.

Incompatibilities:

None known

Section 8 - Exposure Control and Personal Protection

Occupational Exposure Limits:

Chemical Identity:	CAS #:	Exposure Limit Values		SOURCE	OSHA/PPM
		TWA	STEL		PEL
Potassium Tripolyphosphate	13845-36-8			ACGIH Threshold Limit Values	None
				ACGIH Threshold Limit Values	
				ACGIH Threshold Limit Values	

Exposure Limits and Appropriate Engineering Controls:

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (ACGIH, OSHA and other) apply to this material, where, if indicated, S=skin and C=ceiling limit OSHA and ACGIH have not established specific exposure limits for this material. However OSHA and ACGIH have established limits for particulates not

Individual Protection Measures, (Personal Protective Equipment):

Eye Protection

Eye/face protection requirements vary depending upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be used for the particular use intended for this material. Use chemical safety glasses with side shields or splash proof goggles and face shield to prevent eye/face contact. Emergency eye wash must be readily accessible to work area.

Skin Protection

Skin contact should be prevented through use of suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure potential. Consideration must be given both to durability as well as permeation resistance.

Other Protection:

Minimize breathing dust. Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder before reuse. Cleanse skin thoroughly after contact, before meals and end of work period.

Respiratory Protection

For limited exposure use an N95 dust mask. For prolonged exposure use an air- purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Ventilation Limits:

If dust is generated, provide local exhaust ventilation to control airborne levels below the ACGIH TLV-TWA exposure limit for Particulates Not Otherwise Classified of 10 mg/m³ for INHALABLES particles and 3 mg/m³ for respirable.

Hygienic Practices:

All food / smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly washed. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Section 9 - Physical and Chemical Properties

Appearance And Odor: White granular, odorless.

pH: 9.0 - 10.2 - 1% Sol

Melting Point: 620° to 640° C (1148° to 1184° F)

Freezing Point: No Data Available

Boiling Point: >Over 1500 deg C

Flash Point: Non flammable

Evaporation Rate: No Data Available

Solubilities: Soluble 19.3 % (@ 25C)

Specific Gravity: 0.95 g/ml

Bulk Density: 0.95 g/ml

Other Information:

Flammable Limits: No Data Available

UEL: No Data Available

LEL: No Data Available

Vapor Pressure(mm/hg): Non volatile

Vapor Density(air=1): Non volatile

Autoignition Temp: No Data Available

Decomposition Temp: No Data Available

Reactivity In Water: No Data Available

Viscosity: No Data Available

Section 10 - Stability and Reactivity

Chemical Stability and Reactivity:

This product is stable under normal ambient conditions of temperature and pressure.

Possible Hazardous Reactions:

Hazardous polymerization will not occur.

Conditions to Avoid:

Dusting conditions, extreme heat, extreme humidity.

Incompatible Materials:

None known

Hazardous Decomposition Products:

None known

Section 11- Toxicological Information

Information On The Likely Routes Of Exposure: Inhalation, Ingestion and Dermal.

Symptoms Related To The Physical, Chemical And Toxicological Effects:

Inhalation Effects:

Not available.

Skin Effects:

Nonirritant, Rabbit

Dermal Toxicity:

Not available.

Eye Effects:

Nonirritant, Rabbit

Ingestion Effects:

Oral LD50 >2000 mg/kg RAT

Sensitization:

Not available.

Carcinogenicity/Mutagenicity:

Not listed as a carcinogen by IARC, NTP or OSHA.
Mutagenicity information is not available.

Reproductive Effects:

No reproductive data available. STOT No data available

Neurotoxicity:

The neurotoxic effects of this product are not known.

Target Organs:

Target organ effects of this material are not available.

Additional Toxicological Information:

No other toxic effects for this product are known.

Section 12- Ecological Information

Ecotoxicity:

No Data Available

Degradability:

No specific biodegradation test data located. -*See Add'l effects below

Bioaccumulative potential:

No data found for product.

Mobility in the Soil:

No data found for product.

Additional Adverse effect on environment:

Product should not enter the drains undiluted.

* While the alkalinity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

SECTION 13 - Disposal Considerations

Disposal Instructions and Regulations:

In unused condition, this product is not considered to be a RCRA defined hazardous waste by characteristics/listings. It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristic/listing. Dispose in accordance with all local, state and federal regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented incomplete, inaccurate or otherwise inappropriate.

Hazardous Waste Code: Not considered a hazardous waste

Container Disposal Information:

Contaminated bags should be cleaned and disposed of in the same manner as the product in accordance with applicable regulations.

Section 14 - Transport Information

US DOT, IATA, IMO, ADR:

Proper Shipping Name: Potassium Tripolyphosphate

D. O. T. Hazard Class: Not regulated by D.O.T.

UN #: N/A

Label Requirement: None

RQ: N/A

Placard: None

CAS: 13845-36-8

Packing Group: N/A

ERG Book Information: None

Environment Hazards: No

Marine Pollutant: No

Special Precautions: No

IATA: Not regulated as dangerous goods.

Section 15 - Regulatory Information

US Federal - OSHA Status:

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910,1200.

TSCA Status:

Listed/Reportable

U.S. SARA Reporting Requirements:

SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

SARA Title III Hazard Classes Sections 311/312:

Not applicable

SARA Section 313 Toxic Chemicals:

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

CAS# **Chemical Name:**

This material does NOT contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

SARA Superfund Section 110:

This product does NOT contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

CERCLA, 40 CFR 117, 302:

This product does NOT contain ingredients specified in the List of Extremely Hazardous Substances.

CERCLA listed substances are:

none

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Other Federal Reporting Requirements:

CAA: This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act
CWA: No chemicals in product are listed a Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.
RCRA: Not listed as a hazardous waste.

State Reporting Requirements:

State Right to Know Laws:

CAS#	State RTK	Chemical Name
		None

CALIFORNIA PROPOSITION 65:

This product does NOT contain a chemical or chemicals subject to California Proposition 65.

Michigan Critical Materials:

This product does NOT contain ingredients listed on the Michigan Critical Materials Register.

Global Lists/International Inventories:

Canada CEPA: NOT listed on the DSL.
Canada WHMIS: Not listed

SECTION 16 - Other Information

5-27-15 SDS reviewed - updated to GHS requirements. This replaces all previous MSDS's -

5-15-2017 - Reviewed updated specific gravity. This replaces previous SDS.



Date of last revision:

5-15-2017

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NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

Key Legend Information:

N/Ap:	Not Applicable	ND:	Not Determined
N/R:	Not Rated	NDA:	No Data Available
ACGI	American Conference of Govr'ntal Industrial Hygienists	TLV:	Threshold Limit Value
OSHA:	Occupational Safety and Health Administration	TWA:	Time Weighted Average
PEL:	Permissible Exposure Limit	NTP:	National Toxicology Program
STEL:	Short Term Exposure Limit	TSCA:	Toxic Substance Control Act
IARC:	International Agency for Research on Cancer	CERCLA:	Comprehensive Response, Compensation and Liability Act
SARA Title III:	Superfund Amendments and Reauthorization Act	CWA:	Clean Water Act
CAA:	Clean Air Act		
RCRA:	Resource Conservation Recovery Act		
IATA:	International Air Transport Association Shipping Info.	IMO:	International Maritime Organization Shipping Info.
DSL:	Domestic Substance List (Canada)	WHMIS:	Workplace Hazardous Materials Information System

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