



Section 1. Product and Company Identification

Product Name Dipotassium Phosphate
CAS Number 7758-11-4

Parchem - fine & specialty chemicals

415 Huguenot Street
New Rochelle, NY 10801

(914) 654-6800 **(914) 654-6899**

parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture per GHS.

Route(s) of Entry: Inhalation, Ingestion, and Dermal.

Emergency Overview: Irritating to skin, eyes, and respiratory tract. Odorless, white, fine-granular. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Product is not flammable.

Potential Health Effects: Product is not considered hazardous by known governmental definitions. However, continuous contact may cause skin irritation. Minimally to moderately irritating to unwashed eyes and minimally to mildly irritating to washed eyes in rabbits. Skin irritation from continuous contact has been reported during manufacturing when protective measures for contact or personal hygiene procedures are not followed. Human industrial experience has shown no significant inhalation hazard or skin irritation when exposures are properly controlled. Exposure monitoring indicates that the amount of respirable dust in product is low.

Signs and Symptoms of Exposure: Possible irritation to eyes, nose and throat. Large doses may cause nausea, vomiting and diarrhea. Systemic oral toxicity is extremely rare and has consisted of acidosis and hypocalcemia tetany.

Section 3. Composition / Information on Ingredients

Common Name Dipotassium Phosphate
Synonym(s) DKP; Potassium Phosphate, Dibasic
Formula K_2HPO_4
CAS Number 7758-11-4



Section 4. First Aid Measures

Ingestion: If victim is conscious and alert, give 2 - 3 glasses of water to drink and do not induce vomiting. 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.

Eyes: Flush eyes with large quantities of running water for a minimum of 15 minutes. If victim is wearing contact lenses, remove them. 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.

Skin: In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention.

Section 5. Firefighting Measures

Flash Point: Non-flammable

Flammable Limits: Non-flammable

Auto-ignition Temperature: Non-flammable

Extinguishing Media: Not combustible. Use extinguishing method suitable for surrounding fire.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazard area and deny entry. Evacuate residents who are downwind of fire. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: None

Hazardous Combustion Products: Product is not combustible

Section 6. Accidental Release Measures

Steps to be taken in case Material is Released or Spilled: Wear appropriate protective gear for the situation. Do not sweep. Vacuum up and place in an appropriate closed container. Clean up residual material by washing area with water and detergent. Do not return material to its original container once removed. Spills may be reportable to the National Response Center and to state and/or local agencies. Restrict entry until completely clean. Clean up by trained personnel only.

Section 7. Handling and Storage

This is a food ingredient intended for human consumption. Keep containers closed when not being used. Store in closed containers. Store in an area that is cool and dry. Avoid creating dust.



Section 8. Exposure Controls / Personal Protection

Common Name: Potassium Phosphate

CAS Number: 7758-11-4

ACGIH/PPM

TWA: None

STEL: None

OSHA/PPM

PEL: None

% by Wt.: 1

Skin Protection: Skin contact should be minimized through use of gloves and suitable long sleeved clothing (i.e. shirts and pants). Considerations must be given both to durability as well as permeation resistance.

Respiratory Protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations.

Eye Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

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.

Ventilation Limits: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation.

Exposure Limits: 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:

Particulates Not Otherwise Regulated Respirable Fraction: OSHA TWA: 5 mg/cu M

Particulates Not Otherwise Regulated Total Dust: OSHA TWA: 15 mg/cu M

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

Molecular Weight: 174.18 g/mol
Boiling Point: N/A
Vapor Pressure (mmHg): Non volatile
Reactivity in Water: N/A
Appearance and Odor: Odorless, white powder
Specific Gravity: N/A
Melting Point: N/A
Vapor Density (Air = 1): Non volatile
Solubility in Water (20°C): 1,600 g/l
Chemical Formula: K_2HPO_4
pH (10 g/l, 20°C): 9
Bulk Density: 0.98 g/ml

Section 10. Stability and Reactivity

Stability: This material is stable under normal handling and storage conditions.
Conditions to Avoid: Moisture.
Incompatible Materials: None known.
Hazardous Decomposition Products: None known.
Polymerization Conditions to Avoid: Will not occur.

Section 11. Toxicological Information

Eye Effects: Mildly irritating to unwashed eyes, practically nonirritating to wash eyes (Rabbit).
Skin Effects: Minimally irritating at 500 mg/24 hours, Rabbit.
Dermal Toxicity: No test data found for product.
Inhalation Effects: No test data found for product.
Sensitization: Not available.
Ingestion Effects: Practically nontoxic. LD50 > 500 mg/kg (Rat)
Carcinogenicity/Mutagenicity: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens. No information found on Mutagenicity.
Reproductive Effects: No test data found for product.
Neurotoxicity: No test data found for product.
Target Organs: No test data found for product.
Additional Toxicological Information: None

Section 12. Ecological Information

Biodegradability: No test data found for product.
Ecotoxicity: No test data found for product.
Biological Oxygen Demand (BODS): No test data found for product.



Chemical Oxygen Demand: No test data found for product.
Activated Sludge Respiration Inhibition Test: No test data found for product.
Additional Ecological Information: No additional information found for this product.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Not a regulated substance by D.O.T.

Section 15. Regulatory Information

State Right to Know Laws

The following ingredients are disclosed for compliance with State Right to Know Laws: None

SARA Title III Hazard Classes Sections 311/312: Immediate (acute) health hazard

OSHA Status: This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

SARA Title III Hazard Classes Section 302- Extremely Hazardous Substances: This product does NOT contain ingredients listed in Appendix A and Bas Extremely Hazardous substances.

TSCA Status: Listed/Non-reportable

SARA Section 313: 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: None

CERCLA, 40 CFR 177, 302: This product does NOT contain ingredients specified in the List of Extremely Hazardous Substances.

CERCLA listed substances are: None

SARA Superfund Section 110: This product does NOT contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

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.

CAA: None known.

CWA: None known.

RCRA: Not considered a hazardous waste.

Canada CEPA: All intentional ingredients are listed on the DSL.

Canada WHMIS: N/A



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 6/17/2015

