



# PRAYPHOS™ DKP FG

## Safety Data Sheet PINC-288

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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Version: 1.3



### SECTION 1: Identification

#### 1.1. Identification

Product form : Substance  
Trade name : PRAYPHOS™ DKP FG  
Chemical name : dipotassium hydrogenorthophosphate  
CAS-No. : 7758-11-4  
Product code : PINC-288  
Formula : K<sub>2</sub>HPO<sub>4</sub>  
Synonyms : Acid dipotassium phosphate, Dipotassium monophosphate, Dipotassium orthophosphate, Dipotassium hydrogénéorthophosphate, E340, Prayphos™ DKP FG, Prayphos™ DKP FG GR  
REACH registration No. : 01-2119493919-15-0000

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Food/feedstuff additives

#### 1.3. Supplier

Distributor  
Level 7 Chemical  
255 Sturgis Rd  
Conway, AR 72034  
(855) 927-1777

#### 1.4. Emergency telephone number

Emergency number : In case of emergency: CHEMTREC +1 703-741-5970 / 1-800-424-9300. IN THE EVENT OF A CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT Call CHEMTREC: +1 703-741-5970 / 1-800-424-9300. Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or U.S. Virgin Islands. For calls originating elsewhere dial 703-527-3887 (collect calls accepted). Nationwide Poison control center: 1-800-222-1222.

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

Labelling not applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name : PRAYPHOS™ DKP FG  
CAS-No. : 7758-11-4

Name	Product identifier	%	GHS-US classification
Dipotassium hydrogen-orthophosphate	(CAS-No.) 7758-11-4	>= 94	Not classified

Full text of hazard classes and H-statements : see section 16

#### 3.2. Mixtures

Not applicable

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air. If feeling unwell, immediately seek medical attention.

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- First-aid measures after skin contact : Immediately rinse with plenty of water. Remove contaminated clothing and shoes.
- First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. If feeling unwell, immediately seek medical attention.
- First-aid measures after ingestion : Do not induce vomiting. If feeling unwell, immediately seek medical attention. Immediately rinse mouth with water.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : No other effects known.

### 4.3. Immediate medical attention and special treatment, if necessary

See Heading 4.1.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Powders.
- Unsuitable extinguishing media : None.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Non flammable.
- Reactivity : The product is stable at normal handling and storage conditions.

### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Fully enclosed impervious protective suit with integral or tight-fitting gloves, boots, self-contained or supplied air respirator must be worn. Wear suitable protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : In the event that dust and/or fine particles are generated with this product, it is prudent to minimize prolonged inhalation exposure to these forms not to exceed the occupational exposure limit. see section(s) :8.2.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 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 : On land, sweep or shovel into suitable containers. Avoid dust production. Rinse with plenty of water.

### 6.4. Reference to other sections

See section 8 and 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Do not breathe dust. Avoid contact with skin, eyes and clothing. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Remove contaminated clothing and shoes. Wash clothing before re-using. Packagings, even those that have been emptied, will retain product residue. Always obey safety warnings and handle empty packagings as if they were full.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container closed when not in use. Store in a dry, cool and well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Dipotassium hydrogeno-orthophosphate (7758-11-4)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable) - 3 mg/m <sup>3</sup> (respirable dust)

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Dipotassium hydrogeno-orthophosphate (7758-11-4)		
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (inhalable) - 5 mg/m <sup>3</sup> (respirable dust)

Additional information : None TLV known.

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation to minimize dust concentrations.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Materials for protective clothing:

Wear safety glasses with side shields

#### Hand protection:

Wear chemical protective gloves.

#### Skin and body protection:

Protective clothing (with elasticated cuffs and closed neck)

#### Respiratory protection:

Use recommended respiratory protection.(NIOSH/MSHA). Respiratory protection programs must comply with 29 CFR 1910.134

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Hygroscopic granular

Appearance : white.

Colour : white

Odour : odourless

Odour threshold : No data available

pH : 8.8 - 9.3

Melting point : > 450 °C

Freezing point : No data available

Boiling point : No data available

Flash point : Not flammable

Relative evaporation rate (butylacetate=1) : No data available

Flammability (solid, gas) : Not flammable

Vapour pressure : Not applicable

Relative vapour density at 20 °C : Not applicable

Relative density : 0.8 - 1.2 g/cm<sup>3</sup>

Solubility : Water: 156 g/100g 20 °C

Log Pow : No data available

Auto-ignition temperature : Not flammable

Decomposition temperature : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive limits : Not applicable

Explosive properties : Product is not explosive.

Oxidising properties : Non oxidizing material according to EC criteria.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable at normal handling and storage conditions.

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### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No.

### 10.4. Conditions to avoid

Moisture. Fire.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

Dipotassium hydrogeno-orthophosphate (7758-11-4)	
LD50 oral rat	> 2000 mg/kg OECD 420
LD50 dermal rat	> 5000 mg/kg OECD 402
LC50 inhalation rat (mg/l)	> 830 mg/m <sup>3</sup> OECD 403

Skin corrosion/irritation : Not classified  
pH: 8.8 - 9.3  
Serious eye damage/irritation : Not classified  
pH: 8.8 - 9.3  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Viscosity, kinematic : No data available  
Symptoms/effects : No other effects known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : This product does not present any particular risk for the environment.

Dipotassium hydrogeno-orthophosphate (7758-11-4)	
LC50 fish 1	100 mg/l (96h - Oncorhynchus Mykiss, OECD 203)
EC50 Daphnia 1	> 100 mg/l (48h - Daphnia Magna, OECD 202)
EC50 other aquatic organisms 1	> 1000 mg/l ACTIVATED SLUDGE, OECD 209
ErC50 (algae)	> 100 mg/l (72h- Desmodesmus subspicatus, OECD 201)
NOEC (chronic)	> 100 mg/l (72h - Desmodesmus subspicatus, OECD 201)
NOEC (additional information)	(3 Hours- 1000 mg/L, ACTIVATED SLUDGE, OECD 209)

### 12.2. Persistence and degradability

Dipotassium hydrogeno-orthophosphate (7758-11-4)	
Persistence and degradability	Not applicable. (inorganic substance).

### 12.3. Bioaccumulative potential

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### Dipotassium hydrogeno-orthophosphate (7758-11-4)

Bioaccumulative potential	No data available.
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#### 12.4. Mobility in soil

### Dipotassium hydrogeno-orthophosphate (7758-11-4)

Ecology - soil	No data available.
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#### 12.5. Other adverse effects

Other adverse effects : No.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Comply with local regulations for disposal.  
Additional information : Empty packaging can have residues or dusts and are subject to proper waste disposal, as above.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated

### Transportation of Dangerous Goods

Not regulated

### Transport by sea

Not regulated

### Air transport

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

### Dipotassium hydrogeno-orthophosphate (7758-11-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 302 Threshold Planning Quantity (TPQ)	Not applicable
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### 15.2. International regulations

#### CANADA

### Dipotassium hydrogeno-orthophosphate (7758-11-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

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Component	State or local regulations
Dipotassium hydrogeno-orthophosphate(7758-11-4)	Not applicable

### SECTION 16: Other information

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Revision date : 11/27/2018  
Data sources : Reach dossier.  
Training advice : None.

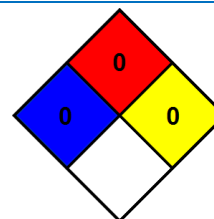
#### Abbreviations and acronyms:

	ADN: European Agreement concerning international carriage of Dangerous goods by Inland waterways ADR: European Agreement concerning international carriage of Dangerous goods by Road AF : Assessment factor BCF : Bioconcentration factor Bw: Body weight CAS: Chemical Abstracts Service CLP : Classification, labelling, packaging CSR: Chemical Safety Report DMEL : Derived maximum effect level DNEL: Derivative No effect Level EC: European Community ELV : Emission limit values EN: European Norm EUH: European Hazard Statement EWC : European Waste catalogue IATA: International Air Transport Association ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Median lethal concentration LD50 : Median lethal dose NOAEL : No-observed-adverse-effect-level NOEC : No observed effect concentration NOEL : No observed effect level OEL : Operator exposure level PBT: Persistent, bioaccumulative, Toxic PEC : Predicted effect level PNEC: Predicted No effect Concentration REACH : Registration, evaluation and autorisation of chemicals RID: Regulations concerning the international carriage of dangerous goods by rail STEL: Short Term Exposure Limit TWA : Time weighted average vPvB: Very persistent, very bioaccumulative
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NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



SDS US (GHS HazCom 2012)

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