



PRAYPHOS TSPP 108 FG GR
PRAYPHOS TSPP 118 FG
PRAYPHOS TSPP 118 Dental



Safety Data Sheet PINC-0096

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

Date of issue: 05/17/2011

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Version: 2.2

SECTION 1: Identification

1.1. Identification

Product form : Substance
Trade name : PRAYPHOS TSPP 108 FG GR
PRAYPHOS TSPP 118 FG
PRAYPHOS TSPP 118 Dental

Chemical name : tetrasodium pyrophosphate
CAS-No. : 7722-88-5
Product code : PINC-0096
Formula : Na₄P₂O₇
Synonyms : Tetrasodium diphosphate; Sodium pyrophosphate; E450
REACH registration No. : 01-2119489794-17-0004

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Oral care
Food/feedstuff additives
Recommended use : Food/feedstuff additives, Oral care

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

Acute toxicity (oral), Category 4 H302 Harmful if swallowed.
Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : H302 - Harmful if swallowed.
H318 - Causes serious eye damage.
Precautionary statements (GHS-US) : P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

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P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P312 - If swallowed: Call a POISON CENTER, a doctor if you feel unwell
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 - Rinse mouth.

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™ TSPP FG
CAS-No. : 7722-88-5

Name	Product identifier	%	GHS-US classification
Tetrasodium pyrophosphate	(CAS-No.) 7722-88-5	>= 95	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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.
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. Take medical advice immediately.
First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately. Immediately rinse mouth with water.

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

Symptoms/effects : Permanent eye damage.

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 (CO₂). Foam. Powders.
Unsuitable extinguishing media : None.

5.2. Specific hazards arising from the chemical

Fire hazard : On exposure to high temperature, may decompose, releasing toxic gases.
Reactivity : The product is stable at normal handling and storage conditions.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Tight protective clothing required. Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

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. Avoid dust production. Personal protective equipment (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

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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. Avoid dust production.

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. Remove contaminated clothing and shoes.

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

Tetrasodium pyrophosphate (7722-88-5)		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ (inhalable) - 3 mg/m ³ (respirable dust)
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (inhalable) - 5 mg/m ³ (respirable dust)

8.2. Appropriate engineering controls

Appropriate engineering controls : Good ventilation of the workplace required. Monitor the atmosphere at regular intervals. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. If handling results in dust generation or high temperatures, local exhaust ventilation should be provided to insure that exposure to dust or decomposition products does not exceed the exposure recommended levels. Use as far as possible in a closed system.

Environmental exposure controls : Do not flush into surface water or sewer system.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear chemical protective gloves.

Eye protection:

Chemical goggles or face shield with safety glasses.

Skin and body protection:

Protective clothing (with elasticated cuffs and closed neck)

Respiratory protection:

Use respiratory protection mask according to NIOSH/MSHA

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Powder. Hygroscopic granular.

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Colour	: white
Odour	: odourless
Odour threshold	: No data available
pH	: 9.8 - 10.5
Melting point	: 880 °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 applicable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.0 - 1.2 g/cm ³ (Prayphos TSPP FG GR) 0.6 - 0.9 g/cm ³ (Prayphos TSPP FG & Dental)
Solubility	: Water: 5.6 g/100g 20°C
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
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.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Moisture. Heat.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Tetrasodium pyrophosphate (7722-88-5)	
LD50 oral rat	>300 <2000 mg/kg OECD 420
LD50 dermal rat	> 2000 mg/kg OECD 402
LC50 inhalation rat (mg/l)	> 0.58 mg/l OECD 403

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Skin corrosion/irritation	: Not classified pH: 9.8 - 10.5
Serious eye damage/irritation	: Causes serious eye damage. pH: 9.8 - 10.5
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	: Permanent eye damage.

SECTION 12: Ecological information

12.1. Toxicity

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

Tetrasodium pyrophosphate (7722-88-5)	
LC50 fish 1	> 100 mg/l (96h-Rainbow trout, OECD 203)
EC50 Daphnia 1	> 100 mg/l (48h - Daphnia magna, EPA OTS 797.1300, OECD 202)
EC50 other aquatic organisms 1	> 1000 mg/l (3h - ACTIVATED SLUDGE, OECD 209)
ErC50 (algae)	> 100 mg/l (72h - Desmodesmus subspicatus (algae), OECD 201)
NOEC chronic algae	> 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

Tetrasodium pyrophosphate (7722-88-5)	
Persistence and degradability	Not relevant. (inorganic substance).

12.3. Bioaccumulative potential

Tetrasodium pyrophosphate (7722-88-5)	
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

Tetrasodium pyrophosphate (7722-88-5)	
Ecology - soil	No data available.

12.5. Other adverse effects

Other adverse effects : No.

Other information : Phosphates are plant nutrient and as such may contribute to the growth of phytoplanktons in water.

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.

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Ecology - waste materials : This material when discarded in pure form is not a hazardous waste as defined by 40 CFR 261, the Resource Conservation and Recovery Act (RCRA). Dry materials may be landfilled or recycled in accordance with local, state, and federal regulations. If materials have become contaminated with other substances, dispose of in accordance with local, state, and federal regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

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SARA Section 302 Threshold Planning Quantity (TPQ)	Not applicable
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Tetrasodium pyrophosphate (7722-88-5)

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

Tetrasodium pyrophosphate (7722-88-5)

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

EU-Regulations

No additional information available

National regulations

Tetrasodium pyrophosphate (7722-88-5)

CERCLA reportable quantities : not applicable
SARA Title III: Not applicable
RTCES number:UX 7350000
ANSI/NSF Std. 60 – potable water systems : Certified
Hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200), Appendix A : Irritant

15.3. US State regulations

Component	State or local regulations
Tetrasodium pyrophosphate(7722-88-5)	U.S. – New York City – Right to Know Hazardous Substances List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Revision date : 11/15/2018
 Data sources : Reach dossier.
 Training advice : None.

Full text of H-statements:

H302	Harmful if swallowed.
H318	Causes serious eye damage.

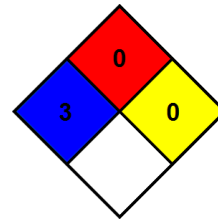
Abbreviations and acronyms:

	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 : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

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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