



PRAYPHOS DSP 108 FG GR

PRAYPHOS DSP 118 FG

Safety Data Sheet PINC-038

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

Date of issue: 02/01/2012

Revision date: 12/06/2018

Supersedes: 04/20/2015

Version: 1.4

SECTION 1: Identification

1.1. Identification

Product form : Substance
Trade name : PRAYPHOS DSP 108 FG GR
PRAYPHOS DSP 118 FG

Chemical name : Disodium hydrogenorthophosphate
CAS-No. : 7558-79-4
Product code : PINC-038
Formula : Na₂HPO₄
Synonyms : Disodium monophosphate, Disodium phosphate, Disodium hydrogen monophosphate, E 339
REACH registration No. : 01-2119489797-11-0002

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Food/feedstuff additives

1.3. Supplier

Supplier
PRAYON INC.
1610 Marvin Griffin Rd.
Augusta, 30906 - United States of America
customerserviceusa@prayon.com

Details of the supplier of the safety data sheet

Prayon S.A.
144 Rue Joseph Wauters
P.O. Box 144
Engis, 4480
www.prayon.be

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™ DSP FG
CAS-No. : 7558-79-4

Name	Product identifier	%	GHS-US classification
Disodium phosphate	(CAS-No.) 7558-79-4	>= 98	Not classified

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

3.2. Mixtures

Not applicable

PRAYPHOS DSP 108 FG GR

PRAYPHOS DSP 118 FG

Safety Data Sheet

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

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|---------------------------------------|--|
| First-aid measures after inhalation | : Remove victim to fresh air. If persistent breathing troubles, immediately seek medical attention. |
| First-aid measures after skin contact | : Immediately rinse with plenty of water. Remove contaminated clothing and shoes. Not irritating. |
| 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 specific effects and/or symptoms have been reported or are known. |
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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

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| 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. Non flammable. |
| Reactivity | : The product is stable at normal handling and storage conditions. |

5.3. Special protective equipment and precautions for fire-fighters

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| 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

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|------------------|--|
| 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. Personal protective equipment (see section (s) :8.2). Avoid dust production. |
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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 | : Avoid dust production. Rinse with plenty of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Wash off with plenty of water. |
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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

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|-------------------------------|---|
| 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. |

7.2. Conditions for safe storage, including any incompatibilities

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| Storage conditions | : Keep container closed when not in use. Store in a dry, cool and well-ventilated place. Hygroscopic. |
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PRAYPHOS DSP 108 FG GR

PRAYPHOS DSP 118 FG

Safety Data Sheet

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Disodium phosphate (7558-79-4)		
ACGIH	ACGIH TWA (mg/m ³)	respirable dust: 3 mg/m ³ - inhalable dust: 10 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	15 mg/m ³ (inhalable) - 5 mg/m ³ (respirable dust)

Additional information : None TLV known.

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.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear protective gloves.

Eye protection:

Wear safety glasses with side shields

Skin and body protection:

Protective clothing (with elasticated cuffs and closed neck)

Respiratory protection:

Respiratory protection programs must comply with 29 CFR 1910.134. 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	: Hygroscopic product - Powder
Colour	: white
Odour	: odourless
Odour threshold	: No data available
pH	: 8.5 - 9.5
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	: No data available
Density	: 0.7 - 1.1
Solubility	: Water: 9 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

PRAYPHOS DSP 108 FG GR

PRAYPHOS DSP 118 FG

Safety Data Sheet

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

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.

10.4. Conditions to avoid

Fire. Moisture.

10.5. Incompatible materials

acids.

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

Disodium phosphate (7558-79-4)	
LD50 oral rat	> 2000 mg/kg OECD 420
LD50 dermal rat	> 2000 mg/kg OECD 402
LC50 inhalation rat (mg/l)	> 830 mg/m³ OECD 403

Skin corrosion/irritation : Not classified
pH: 8.5 - 9.5
Serious eye damage/irritation : Not classified
pH: 8.5 - 9.5
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 : No specific effects and/or symptoms have been reported or are known.

SECTION 12: Ecological information

12.1. Toxicity

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

Disodium phosphate (7558-79-4)	
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

PRAYPHOS DSP 108 FG GR

PRAYPHOS DSP 118 FG

Safety Data Sheet

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

Disodium phosphate (7558-79-4)

ErC50 (algae)	> 100 mg/l (72h - Desmodesmus subspicatus, OECD 201)
NOEC (acute)	> 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

Disodium phosphate (7558-79-4)

Persistence and degradability	Not applicable. (inorganic substance).
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12.3. Bioaccumulative potential

Disodium phosphate (7558-79-4)

Bioaccumulative potential	Low bioaccumulation potential.
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12.4. Mobility in soil

Disodium phosphate (7558-79-4)

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

Other adverse effects	: Phosphates are plant nutrient and as such may contribute to the growth of phytoplanktons in water.
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SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: 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.
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

PRAYPHOS DSP 108 FG GR PRAYPHOS DSP 118 FG (7558-79-4)

SARA Section 302 Threshold Planning Quantity (TPQ)	Not applicable
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PRAYPHOS DSP 108 FG GR

PRAYPHOS DSP 118 FG

Safety Data Sheet

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

Disodium phosphate (7558-79-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ	5000 lb
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15.2. International regulations

CANADA

Disodium phosphate (7558-79-4)

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

EU-Regulations

No additional information available

National regulations

Disodium phosphate (7558-79-4)

CERCLA reportable quantities : not applicable
SARA Title III: Not applicable
RTECS Number: WC4500000
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
Disodium phosphate(7558-79-4)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - New York City - Right to Know Hazardous Substances List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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

Revision date : 12/06/2018
Data sources : Reach dossier.
Training advice : None.

Abbreviations and acronyms:

PRAYPHOS DSP 108 FG GR

PRAYPHOS DSP 118 FG

Safety Data Sheet

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

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

NFPA health hazard

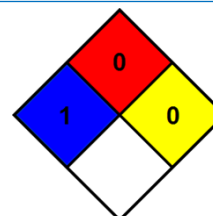
: 1 - Materials that, under emergency conditions, can cause significant irritation.

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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