



PRAYPHOS™ SHMP TG GR PRAYPHOS™ SHMP 449 TG GR

Safety Data Sheet

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

Date of issue: 02/01/2012

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Version: 1.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance

Trade name : PRAYPHOS™ SHMP TG GR
PRAYPHOS™ SHMP 449 TG GR

Chemical name : Polyphosphoric acids, sodium salts

CAS No : 68915-31-1

Product code : PINC-0074

Formula : (NaPO₃)_n - Na₂O

Synonyms : Sodium hexametaphosphate; Graham salt; Polyphosphoric acids, sodium salts

REACH registration No. : No registration number available for this substance because it is (or its use) exempted from registration according to the article 2 of REACH (EC) regulation N° 1907/2006, the annual tonnage doesn't require any registration or the registration is scheduled later. (Polymer)



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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Substance used as such, in formulation or in formulation of products for :

- Detergent
- Ceramics
- Paper
- Water treatment

1.3. Details of the supplier of the safety data sheet

PRAYON INC.
1610 Marvin Griffin Road
Augusta GA 30906 United States of America
SDS Responsible: customerservice@prayoninc.com

1.4. Emergency telephone number

Emergency number : In case of emergency: CHEMTREC 1-800-424-9300. IN THE EVENT OF A CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT Call CHEMTREC: 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: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : PRAYPHOS™ SHMP 449 TG GR

CAS No : 68915-31-1

Name	Product identifier	%	GHS-US classification
Sodium hexametaphosphate	(CAS No) 68915-31-1	>= 97	Not classified

Full text of H-phrases: see section 16

3.2. Mixture

Not applicable

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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 : Rinse immediately with plenty of water. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse.
- 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, both acute and delayed

- Symptoms/injuries : No specific effects and/or symptoms have been reported or are known.

4.3. Indication of any immediate medical attention and special treatment needed

See Heading 4.1.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. CO2. Foam. Powders.
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : On exposure to high temperature, may decompose, releasing toxic gases.
- Reactivity : Stable under normal conditions (Handling and storage).

5.3. Advice for firefighters

- 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 : Personal protective equipment (see section (s) :8.2). 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.

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 : When using do not eat, drink or smoke. 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 packaging closed when not in use. Store in dry, cool, well-ventilated area.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ (inhalable) - 3 mg/m ³ (respirable dust)
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (inhalable) - 5 mg/m ³ (respirable dust)

Additional information : None TLV known.

8.2. Exposure controls

Appropriate engineering controls : Good ventilation of the workplace required. 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.

Hand protection : Wear protective gloves.

Eye protection : Safety glasses with side shields.

Skin and body protection : Protective clothing (with elasticated cuffs and closed neck).

Respiratory protection : Approved dust respirator (NIOSH/MSHA) should be used if airborne particles are generated when handling this material. Respiratory protection programs must comply with 29 CFR 1910.134.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Hygroscopic granular.

Colour : white

Odour : odourless

Odour threshold : No data available

pH : 6.7 - 7.2

Melting point : > 630 °C

Freezing point : No data available

Boiling point : Not applicable

Flash point : Not flammable

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

Flammability (solid, gas) : No data available

Explosive limits : No data available

Explosive properties : No data available

Oxidising properties : No data available

Vapour pressure : No data available

Relative density : No data available

Relative vapour density at 20 °C : No data available

Density : 1 – 1.4 g/cm³

Solubility : completely soluble.

Log Pow : No data available

Log Kow : No data available

Auto-ignition temperature : No data available

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Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions (Handling and storage).

10.2. Chemical stability

Stable under normal conditions (Handling and storage).

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

No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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LD50 oral rat	6600 mg/kg
LD50 dermal rabbit	> 7940 mg/kg
LC50 inhalation rat (mg/l)	No data available

Skin corrosion/irritation : Not classified
pH: 6.7 - 7.2

Serious eye damage/irritation : Not classified
pH: 6.7 - 7.2

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

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

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12.2. Persistence and degradability

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Persistence and degradability

No data available.

12.3. Bioaccumulative potential

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Bioaccumulative potential

No data available.

12.4. Mobility in soil

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Ecology - soil

No data available.

12.5. Other adverse effects

Other adverse effects

: No data available.

Effect on the global warming

: No known ecological damage caused by this product.

Other information

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Comply with local regulations for disposal.

Waste 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 for transport

Additional information

Other information

: No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

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

SARA Section 302 Threshold Planning Quantity (TPQ)

No data available

SARA Section 313 - Emission Reporting

No data available

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15.2. International regulations

CANADA

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

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

National regulations

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CERCLA reportable quantities : not applicable

SARA Title III: Not applicable

Hazard Categories Under Title III Rules (40 CFR 370):Not applicable

RTECS/NIOSH Number: OY 3675000 / primary irritant

15.3. US State regulations

SECTION 16: Other information

Revision date	: 04/20/2015
Data sources	: SDS.
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.
Training advice	: None.

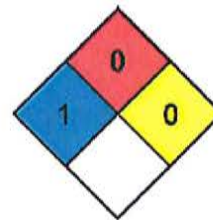
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NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012)

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