





Safety Data Sheet PINC-0073

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

Date of issue: 02/01/2012 Revision date: 11/14/2018 Supersedes: 04/20/2015 Version: 1.3

SECTION 1: Identification

1.1. Identification

Product form : Substance

Trade name : PRAYPHOS™ SHMP 440 FG

PRAYPHOS™ SHMP 441 FG GR PRAYPHOS™ SHMP 450 FG PRAYPHOS™ SHMP 451 FG GR PRAYPHOS™ SHMP 460 FG PRAYPHOS™ SHMP 461 FG GR

Chemical name : Polyphosphoric acids, sodium salts

 CAS-No.
 : 68915-31-1

 Product code
 : PINC-0073

 Formula
 : (NaPO3)n - Na2O

Synonyms : Sodium hexametaphosphate; Graham salt; Polyphosphoric acids, sodium salts, E452

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)

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

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Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

Substances

: PRAYPHOS™ SHMP FG Name

CAS-No. : 68915-31-1

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

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

3.2. **Mixtures**

Not applicable

SECTION 4: First-aid measures

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.

In case of eye contact, immediately rinse with clean water for 10-15 minutes. If feeling unwell, First-aid measures after eye contact

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.

Most important symptoms and effects (acute and delayed)

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

Immediate medical attention and special treatment, if necessary

See Heading 4.1.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Carbon dioxide (CO2). Foam. Powders.

Unsuitable extinguishing media

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.

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

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

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.

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

Sodium hexametaphosphate (68915-31-1)		
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ (inhalable) - 3 mg/m³ (respirable dust)
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (inhalable) - 5 mg/m³ (respirable dust)

Additional information : None TLV known.

8.2. Appropriate engineering 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.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

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

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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 : 5.0 – 6.0 (460/461 FG/ FG GR) 6.4 – 7.2 (450/451 FG/FG GR)

6.7 - 7.2 (440/441 FG/FG GR)

No data availableNo data available

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 : No data available Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density Density : 1 - 1.4 g/cm³ Solubility : completely soluble. : No data available Log Pow Auto-ignition temperature : No data available Decomposition temperature : No data available : No data available Viscosity, kinematic Viscosity, dynamic : No data available : No data available Explosive limits

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Explosive properties

Oxidising properties

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

Moisture, Fire.

10.5. Incompatible materials

No data available.

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10.6. Hazardous decomposition products

No data available.

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

Sodium hexametaphosphate (68915-31-1)	
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: 5.0 – 6.0 (460/461 FG/ FG GR) 6.4 – 7.2 (450/451 FG/FG GR) 6.7 – 7.2 (440/441 FG/FG GR)

Serious eye damage/irritation : Not classified

pH: 5.0 – 6.0 (460/461 FG/ FG GR) 6.4 – 7.2 (450/451 FG/FG GR) 6.7 – 7.2 (440/441 FG/FG GR)

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.

12.2. Persistence and degradability

Sodium hexametaphosphate (68915-31-1)	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

Sodium hexametaphosphate (68915-31-1)	
Bioaccumulative potential	No data available.

12.4. Mobility in soil

Sodium hexametaphosphate (68915-31-1)	
Ecology - soil	No data available.

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12.5. Other adverse effects

Other adverse effects : No data available.

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

water.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods

: Comply with local regulations for disposal.

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

Sodium hexametaphosphate (68915-31-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	No data available

15.2. International regulations

CANADA

Sodium hexametaphosphate (68915-31-1)

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

EU-Regulations

No additional information available

National regulations

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Sodium hexametaphosphate (68915-31-1)

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

Component	State or local regulations
Sodium hexametaphosphate(68915-31-1)	Not applicable

SECTION 16: Other information

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Revision date : 11/14/2018

Data sources : SDS.

Training advice : None.

Abbreviations and acronyms:

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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

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

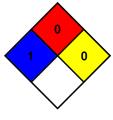
: 1 - Materials that, under emergency conditions, can cause significant irritation.

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.



Hazard Rating

Physical

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard - Materials that will not burn

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

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