



**PRAYLEV SAPP**  
**PRAYLEV PYRO 220**  
**PRAYLEV PYRO**  
**PRAYLEV FASTPYRO**  
**PRAYLEV FASTPYRO 110**  
**PRAYLEV INSTAPYRO**

Safety Data Sheet PINC-0031

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

Date of issue: 02/01/2012

Revision date: 09/02/2019

Supersedes: 12/04/2018

Version: 2.4

## SECTION 1: Identification

### 1.1. Identification

Product form	: Substance
Trade name	: PRAYLEV SAPP PRAYLEV PYRO 220 PRAYLEV PYRO PRAYLEV FASTPYRO PRAYLEV FASTPYRO 110 PRAYLEV INSTAPYRO
Chemical name	: Disodium dihydrogen pyrophosphate
CAS-No.	: 7758-16-9
Product code	: PINC-0031
Formula	: Na <sub>2</sub> H <sub>2</sub> P <sub>2</sub> O <sub>7</sub>
Synonyms	: Sodium Acid Pyrophosphate
REACH registration No.	: 01-2119489793-19-0002

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture	: Food/feedstuff additives
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### 1.3. Supplier

#### Supplier

PRAYON INC.  
1610 Marvin Griffin Rd.  
Augusta, 30906 - United States of America  
[customerserviceusa@prayon.com](mailto: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](http://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.
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## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

Serious eye damage/eye irritation, Category 2A H319 Causes serious eye irritation.

Full text of H-statements: see section 16

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

#### GHS US labelling

Hazard pictograms (GHS US) :



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Signal word (GHS US)	: Warning
Hazard statements (GHS US)	: H319 - Causes serious eye irritation.
Precautionary statements (GHS US)	: P280 - Wear protective gloves, protective clothing, eye protection, face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P264: Wash thoroughly after handling. P235 - Keep cool. P501: Dispose of this material and its container to hazardous or special waste collection point.

### 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	: PRAYLEV SAPP
CAS-No.	: 7758-16-9

Name	Product identifier	%	GHS US classification
Disodium dihydrogenpyrophosphate	(CAS-No.) 7758-16-9	95	Eye Irrit. 2A, H319

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

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

Symptoms/effects	: Eye irritation.
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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

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

Protection during firefighting	: Wear proper protective equipment. Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.
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### SECTION 6: Accidental release measures

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

General measures : Avoid dust production. 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. [In case of inadequate ventilation] wear respiratory protection. Wear impervious rubber safety shoes or Rubber boots. Use rubber gloves. Wearing of safety glasses absolutely necessary.

##### 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. 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

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No additional information available

**Disodium dihydrogenpyrophosphate (7758-16-9)**

**USA - ACGIH - Occupational Exposure Limits**

ACGIH TWA (mg/m <sup>3</sup> )	respirable dust: 3 mg/m <sup>3</sup> - inhalable dust: 10 mg/m <sup>3</sup>
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### 8.2. Appropriate engineering controls

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|----------------------------------|--|
| 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. Handle product only in closed system or provide appropriate exhaust ventilation. |
| 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:

Use recommended respiratory protection.(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   | : 3.8 - 4.5                    |
| 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)                  | : No data available            |
| Vapour pressure                            | : No data available            |
| Relative vapour density at 20 °C           | : No data available            |
| Relative density                           | : No data available            |
| Density                                    | : 0.7 - 1.1                    |
| Solubility                                 | : Water: 12 g/100g 20°C        |
| Log Pow                                    | : No data available            |
| Auto-ignition temperature                  | : Non flammable                |
| Decomposition temperature                  | : No data available            |
| Viscosity, kinematic                       | : No data available            |
| Viscosity, dynamic                         | : No data available            |
| Explosive limits                           | : No data available            |
| Explosive properties                       | : No data available            |
| Oxidising properties                       | : No data available            |

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### 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

Moisture.

### 10.5. Incompatible materials

On exposure to high temperature, may decompose, releasing toxic gases.

### 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 dihydrogenpyrophosphate (7758-16-9)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg OECD 402
LC50 inhalation rat (mg/l)	> 0.58 mg/l OECD 403

Skin corrosion/irritation : Not classified  
pH: 3.8 - 4.5  
Serious eye damage/irritation : Causes serious eye irritation.  
pH: 3.8 - 4.5  
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

#### Disodium dihydrogenpyrophosphate (7758-16-9)

NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight/day OECD 408
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Aspiration hazard : Not classified  
Viscosity, kinematic : No data available  
Symptoms/effects : Eye irritation.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

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

Disodium dihydrogenpyrophosphate (7758-16-9)	
LC50 fish 1	> 100 mg/l ( 96h) Rainbow trout, OECD guideline 203
EC50 Daphnia 1	> 100 mg/l (48h) Daphnia magna, EPA OTS 797.1300
EC50 other aquatic organisms 1	> 1000 mg/l ACTIVATED SLUDGE, OECD 209
ErC50 (algae)	> 100 mg/l (72h) - Desmodesmus subspicatus, OECD 201
NOEC (chronic)	> 1000 mg/l

#### 12.2. Persistence and degradability

Disodium dihydrogenpyrophosphate (7758-16-9)	
Persistence and degradability	Not relevant.

#### 12.3. Bioaccumulative potential

Disodium dihydrogenpyrophosphate (7758-16-9)	
Bioaccumulative potential	Low bioaccumulation potential.

#### 12.4. Mobility in soil

Disodium dihydrogenpyrophosphate (7758-16-9)	
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.

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

Other information : No supplementary information available.

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### Transportation of Dangerous Goods

#### Transport by sea

#### Air transport

## 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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#### Disodium dihydrogenpyrophosphate (7758-16-9)

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

### 15.2. International regulations

#### CANADA

#### Disodium dihydrogenpyrophosphate (7758-16-9)

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

#### EU-Regulations

#### National regulations

#### Disodium dihydrogenpyrophosphate (7758-16-9)

CERCLA reportable quantities : not applicable  
SARA Title III: Not applicable  
RTCES number:UX 6475000  
ANSI/NSF Std. 60 – potable water systems : Certified  
Hazardous chemical under the criteria of the OSHA Hazardous Communication Standard (29 CFR 1910.1200), Appendix A : Irritant

### 15.3. US State regulations

Component	State or local regulations
Disodium dihydrogenpyrophosphate(7758-16-9)	Not applicable

## SECTION 16: Other information

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Revision date : 09/02/2019  
Data sources : Reach dossier.  
Training advice : None.

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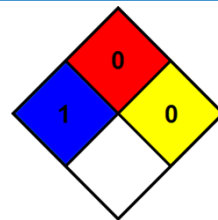
Full text of H-statements:

H319	Causes serious eye irritation.
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Abbreviations and acronyms:

	<p>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</p>
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- 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.



Indication of changes:

Section	Changed item	Change	Comments
1	Trade name	Added	09.02.2019

SDS US (GHS HazCom 2012)

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