



# CARFOSEL 1000i

## Safety Data Sheet PINC-282

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

Date of issue: 09/26/2014

Revision date: 11/21/2018

Supersedes: 03/06/2015

Version: 2.2

### SECTION 1: Identification

#### 1.1. Identification

Product form : Substance  
Trade name : CARFOSEL 1000i  
Chemical name : sodium tripolyphosphate  
CAS-No. : 7758-29-4  
Product code : PINC-282  
Formula : Na<sub>5</sub>P<sub>3</sub>O<sub>10</sub>  
REACH registration No. : 01-2119430450-54-0003

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Food/feedstuff additives  
E451

#### 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.

### 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 : CARFOSEL 1000i (PINC)  
CAS-No. : 7758-29-4

Name	Product identifier	%	GHS-US classification
Sodium tripolyphosphate	(CAS-No.) 7758-29-4	> 85	Not classified

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 persistent breathing troubles, immediately seek medical attention.  
First-aid measures after skin contact : Immediately rinse with plenty of water. Remove contaminated clothing and shoes.

# CARFOSEL 1000i

## Safety Data Sheet

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

- 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 : Immediately rinse mouth 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 : No specific effects and/or symptoms have been reported or are known.

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Powders.
- Unsuitable extinguishing media : None.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Non flammable.
- Reactivity : On exposure to high temperature, may decompose, releasing corrosive gases.

### 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 : Dust and/or fine particles, minimize inhalation exposure. 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

### 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

No additional information available

## 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.

### 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 tripolyphosphate (7758-29-4)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	respirable dust: 3 mg/m <sup>3</sup> - inhalable dust: 10 mg/m <sup>3</sup>
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (inhalable) - 5 mg/m <sup>3</sup> (respirable dust)

# CARFOSEL 1000i

## Safety Data Sheet

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

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide adequate ventilation to minimize dust concentrations. 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 chemical protective gloves.

#### Eye protection:

Wear safety glasses with side shields

#### Skin and body protection:

Protective clothing (with elasticated cuffs and closed neck)

#### Respiratory protection:

Use respiratory protection mask according to NIOSH/MSHA. Respiratory protection programs must comply with 29 CFR 1910.134

## 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	: 9.5 - 10.2
Melting point	: 622 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
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	: 56 - 69 lb/cu
Solubility	: Water: 14 g/100g 20°C
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: 622 °C
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

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

# CARFOSEL 1000i

## Safety Data Sheet

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

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Moisture. Fire.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

see section(s) :5.

## 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 tripolyphosphate (7758-29-4)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	4640 mg/kg
LC50 inhalation rat (mg/l)	390 mg/m <sup>3</sup>

Skin corrosion/irritation : Not classified  
pH: 9.5 - 10.2  
Serious eye damage/irritation : Not classified  
pH: 9.5 - 10.2  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

Sodium tripolyphosphate (7758-29-4)	
NOAEL (oral, rat)	225 mg/kg bodyweight

STOT-repeated exposure : Not classified

Sodium tripolyphosphate (7758-29-4)	
NOAEL (oral, rat, 90 days)	225 mg/kg bodyweight/day Similar to:OECD 412

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

Sodium tripolyphosphate (7758-29-4)	
LC50 fish 1	> 1850 mg/l (Afnort 90 303)
EC50 Daphnia 1	> 100 mg/l (48h - Daphnia magna - guideline 40 CFR 797.1330)
EC50 other aquatic organisms 1	ACTIVATED SLUDGE:Phosphates are necessary for the survival of the sewage microorganism.
ErC50 (algae)	160 mg/l Desmodesmus subspicatus ISO/TC147/SC5/WG5 N84
LOEC (chronic)	5 mg/l (96h - fish, OECD 212)

### 12.2. Persistence and degradability

Sodium tripolyphosphate (7758-29-4)	
Persistence and degradability	Not relevant. (inorganic substance).

### 12.3. Bioaccumulative potential

# CARFOSEL 1000i

## Safety Data Sheet

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

### Sodium tripolyphosphate (7758-29-4)

Bioaccumulative potential

STPP is hydrolyzed in orthophosphates in aqueous and biological systems. Orthophosphates are essential nutrients.

#### 12.4. Mobility in soil

### Sodium tripolyphosphate (7758-29-4)

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. Water / Earth: quickly hydrolysed in easily degradable substances.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods

: Dispose in a safe manner in accordance with local/national regulations.

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

Not regulated

### Transport by sea

Not regulated

### Air transport

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

### Sodium tripolyphosphate (7758-29-4)

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

### 15.2. International regulations

#### CANADA

### Sodium tripolyphosphate (7758-29-4)

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

#### EU-Regulations

No additional information available

#### National regulations

# CARFOSEL 1000i

## Safety Data Sheet

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

### Sodium tripolyphosphate (7758-29-4)

Not Listed on SARA Section 302 (Specific toxic chemical listings)  
CERCLA reportable quantities : not applicable  
SARA Title III: Not applicable  
RTECS/NIOSH number:YK 4570000/primary irritant  
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
Sodium tripolyphosphate(7758-29-4)	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 : 11/21/2018  
Data sources : SDS.

#### Abbreviations and acronyms:

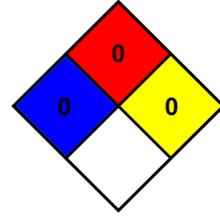
	ADN: European Agreement concerning international carriage of Dangerous goods by Inland waterways ADR: European Agreement concerning international carriage of Dangerous goods by Road AF : Assessment factor BCF : Bioconcentration factor Bw: Body weight CAS: Chemical Abstracts Service CLP : Classification, 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
--	--

# CARFOSEL 1000i

## Safety Data Sheet

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

NFPA health hazard	: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
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)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.*