

SECTION 1: Identification

1.1. Identification

Product form : Substance

Chemical name : Pentasodium Triphosphate

CAS-No. : 7758-29-4

Product code : PINC-327

Formula : Na₅P₃O₁₀

Synonyms : E451, Sodium tripolyphosphate

REACH registration No. : 01-2119430450-54-0003

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Food/feedstuff additives
Products for care of the teeth and the mouth.

1.3. Supplier

Supplier : Level 7 Chemical
255 Sturgis Rd
Conway, AR 72034
(855) 927-1777

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 994 US

CAS-No. : 7758-29-4

Name	Product identifier	%	GHS US classification
Sodium tripolyphosphate	(CAS-No.) 7758-29-4	> 92	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 you feel unwell, seek medical advice.

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First-aid measures after skin contact	: Immediately rinse with plenty of water. Remove contaminated clothing and shoes.
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. Rinse mouth thoroughly with water. 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.
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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 (CO ₂). Powders. Foam.
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

Firefighting instructions	: Use water stream to cool containers.
Protection during firefighting	: 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	: Avoid dust production. see section(s) :8.2.
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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

Do not flush into surface water or sewer system.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: On land, sweep or shovel into suitable containers. Rinse 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

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. 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.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CARFOSEL 994 US (7758-29-4)

No additional information available

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USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (mg/m ³)	respirable dust: 3 mg/m ³ - inhalable dust: 10 mg/m ³
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL (TWA) (mg/m ³)	15 mg/m ³ (inhalable) - 5 mg/m ³ (respirable dust)
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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	: Not applicable
pH	: 9,5 - 10,2
Melting point	: 622 °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	: Pellet: 43-52 lb/cu
Solubility	: Water: 14 g/100g
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not flammable
Decomposition temperature	: 622 °C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: No data available

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.

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10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Fire. Moisture. Strong oxidizers.

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 ³

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.
Other information : Mutagenicity. In vitro:Negative(OECD guideline 471) . In vivo: Negative (rat, Similar to:OECD 475).

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)

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12.2. Persistence and degradability

Sodium tripolyphosphate (7758-29-4)

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

Sodium tripolyphosphate (7758-29-4)

Bioaccumulative potential	STPP is hydrolyzed in orthophosphates in aqueous and biological systems. Orthophosphates are essential nutrients.
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12.4. Mobility in soil

Sodium tripolyphosphate (7758-29-4)

Ecology - soil	No data available.
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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

Regional legislation (waste) : U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261.

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 applicable

Transport by sea

Not applicable

Air transport

Not applicable

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.
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EU-Regulations

National 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

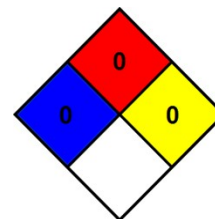
Component	State or local regulations
Sodium tripolyphosphate(7758-29-4)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. – New York City – Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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

Revision date : 10/08/2020
Data sources : Reach dossier.
Training advice : None.
Other information : Emergency numbers CANUTEC (Canadian Transportation): (613) 996-6666.

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)

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