

Safety Data Sheet

According to Hazard Communication Standard (29 CFR 1910.1200)

Hepta sodium salt of Diethylene Triamine Penta (Methylene Phosphonic Acid)(DTPMP·Na7)

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Version 2.0

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1. Product and Company Identification

Material name Hepta sodium salt of Diethylene Triamine Penta (Methylene Phosphonic Acid)(DTPMP·Na7)

CAS # See section 3

Product code -

Product use Water treatment chemicals, scale inhibitor, dispersant.

Manufacturer/Supplier

Supplier(Manufacturer): Dongguan Baoxu Chemical Technology.,Ltd.

Address: 8th Chenwu East Road, Houjie Town, Dongguan City, Guangdong Province, China

Contact person(E-mail): info@additivesforpolymer.com

Telephone:+86-769-22821082

Fax:+86-769-22821083

Emergency telephone Number: +86-769-22821082

2. Hazards identification

GHS classification

Physical hazards Not classified

Health hazards EYE DAMAGE/IRRITATION Category 2A

Environmental hazards Not classified

GHS label elements

Hazard Pictograms



Signal word Warning

Hazard statement H319: Causes serious eye irritation.

Precautionary statement

Prevention Wash hands thoroughly after handling.
Wear eye protection/face protection.

Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Storage Not applicable.

Disposal Not applicable.

3. Composition / Information on Ingredients

Components	CAS#	Percent
Heptasodium trihydrogen [[bis[2-[bis(phosphonomethyl)amino]ethyl]amin	68155-78-2	40-42.5%

Water	7732-18-5	57.5-60%
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4. First Aid Measures

First aid procedures

Eye contact	Immediately rinse with plenty of running water for a prolonged period at least 15 minutes whilst keeping the eyes wide open. Always obtain medical advice immediately, even if there are no symptoms.
Skin contact	Remove all contaminated clothing and footwear. Wash with soap and water. Wash immediately and thoroughly for a prolonged period (at least 15 minutes). In case of inflammation (redness, irritation) obtain medical attention.
Inhalation	Move the person away from the contaminated area. Make the affected person rest. If necessary seek medical advice.
Ingestion	NEVER attempt to induce vomiting. Rinse mouth out with water. If necessary seek medical advice.

Notes to physician

Treat symptoms.

5. Fire Fighting Measure

Flammable properties

This product is non-flammable.

Extinguishing media

Suitable extinguishing media

Use extinguishing agents appropriate for surrounding fire.

Unsuitable extinguishing media

Not available.

Firefighting equipment/instructions

Use water spray to cool unopened containers. Wear self contained breathing apparatus for firefighting if necessary.

Hazardous combustion products

Carbon oxides, nitrogen oxides.

6. Accidental Release Measures

Personal precautions

Use personal protective equipment. Avoid breathing vapor. Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with skin and eyes. Full protective clothing and equipment. For personal protection see section 8.

Environmental precautions

Contain the spilled material by bunding. Avoid direct discharge into drains.

Methods for cleaning up

Recovery: Recover as much of the product as possible. Absorb the product onto porous material. Transfer the product into a spare container: suitably labeled. Then take the emergency containers to an area reserved for subsequent recycling or disposal.

Neutralization: Neutralize with: calcium hydroxide, sodium bicarbonate. Absorb spillage with: diatomaceous earth, sand or inert absorbent.

Cleaning/Decontamination: Wash non-recoverable remainder with large amounts of water. Disposal Do NOT discharge into drains. Dispose of all contaminated materials in accordance with current regulations. Place in an appropriate container and dispose of the contaminated material at a licensed site.

7. Handling and Storage

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapor. Keep away from sources of

ignition - No smoking. Handle and use in accordance with good occupational and hygiene practice. For precautions see section 2.2.

Storage

Store in a cool dry area. Take all necessary precautions to avoid the accidental release of the product outside due to the rupture of containers or transfer systems. Ensure there is a suitable retention system. Storage facilities should be dry. Keep away from incompatible materials.

8. Exposure Controls / Personal Protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Not available.

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
heptasodium trihydrogen [[bis[2-[bis(phosphonomethyl)amino]ethyl]amino]methyl]phosphonate	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
heptasodium trihydrogen [[bis[2-[bis(phosphonomethyl)amino]ethyl]amino]methyl]phosphonate	Not Available	Not Available
Water	Not Available	Not Available

Exposure controls:

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment:

Eye / face protection

Goggles.

Skin protection

Protective gloves made of PVC. Use suitable chemical-resistant protective gloves (compliant with Standard EN374-1). Protective clothing. Safety footwear.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General hygiene considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

9. Physical & Chemical Properties

Appearance

Physical state

Liquid

Form

Transparent liquid

Color

Umber

Odor

Light

Odor threshold	Not available
pH	6.0-8.0
Vapor pressure	Not available
Vapor density	Not available
Boiling point	Not available
Melting point/Freezing point	Not available
Solubility (water)	Not available
Partition coefficient	Not available
Specific gravity	Not available
Relative density	Not available
Density	1.24-1.34 g/cm ³ min (20°C)
Flash point	Not available
Flammability (solid, gas)	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Auto-ignition temperature	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	Not available

10. Chemical Stability & Reactivity Information

Reactivity	The substance is stable under normal storage and handling conditions.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials.
Incompatible materials	Oxidizing agents and oxidizing materials. Alkalis and acid.
Hazardous decomposition products	Carbon oxides, nitrogen oxides.
Possibility of hazardous reactions	No decomposition when used as directed.

11. Toxicological Information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat):	Not available
LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	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

12. Ecological Information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not available.

Other adverse effects: No known significant effects or critical hazards.

13. Disposal Considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements:

UN number Not regulated

Proper shipping name Not regulated

Hazard class Not regulated

Packing group Not regulated

Environmental hazards No

IATA

UN number Not regulated

UN proper shipping name Not regulated

Transport hazard class(es) Not regulated

Packing group Not regulated

Environmental hazards No

IMDG

UN number Not regulated

UN proper shipping name Not regulated

Transport hazard class(es) Not regulated

Packing group Not regulated

Environmental hazards No

15. Regulatory Information

Safety, health and environmental regulations / legislation specific for the substance or mixture

heptasodium trihydrogen	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"
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[[bis[2-[bis(phosphonomethyl)amino]ethyl]amino]methyl]phosphonate (68155-78-2) is found on the following regulatory lists	
Water(7732-18-5) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"

16. Other Information

HMIS® ratings

Health:1
 Flammability: 1
 Physical hazard: 0

NFPA ratings

Health: 1
 Flammability: 1
 Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

Date of first Version

12/14/2016