



Material Safety Data Sheet

Sodium Hexametaphosphate

Version: 2.0 EN

Revision Date: 2024-12

SECTION 1: IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product identifiers

Product Name	Sodium Hexametaphosphate
CAS No	10124-56-8
Synonyms	Polyphosphatesodium salt; Calgon; Sodium polyphosphate; Phosphate glass, water soluble

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	Chemical intermediate, For research and industrial use only
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1.3 Details of the supplier of the safety data sheet

Company	China lithium Products technology Company Limited 9 HG, No.99 LuJiang Road, Xiamen city, China
Telephone	+86 592 2687860
Email	info@lithium-chemical.com

1.4 Emergency telephone number

Emergency phone #	+86 592 2687860
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This substance does not meet the criteria for classification

2.2 GHS Label elements, including precautionary statements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Hazard Statements

No data available

Precautionary Statements

No data available

Supplemental Hazard Statements

None

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No data available

2.4 Other hazards

None



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Substance name	Sodium Hexametaphosphate
Formula	(NaPO_3) ₆
CAS No	10124-56-8
EC No	272-808-3

Hazardous ingredients: sodium hexametaphosphate, Classification: Acute toxicity Category 5; H303; Concentration: <= 100 %

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

In case of skin contact

Take off immediately all contaminated clothing. Rinse skin with water/ shower

In case of eye contact

Rinse out with plenty of water. Remove contact lenses

If swallowed

Make victim drink water (two glasses at most). Consult doctor if feeling unwell

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known

Not combustible

Ambient fire may liberate hazardous vapours

5.3 Advice for firefighters www.lithium-chemical.com

Wear self-contained breathing apparatus for firefighting if necessary

5.4 Further information

None



SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert

For personal protection see section 8

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal

6.4 Reference to other sections

For disposal see section 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Dry

Storage class

Storage class (TRGS 510): 13: Non Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with workplace control parameters: Contains no substances with occupational exposure limit values

8.2 Exposure controls

Appropriate engineering controls: Change contaminated clothing. Wash hands after working with substance

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory protection

required when dusts are generated

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN



14387 and other accompanying standards relating to the used respiratory protection system

Control of environmental exposure

Do not let product enter drains

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Form: crystalline Colour: No data available
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	628 °C
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	The product is not flammable
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	Soluble, (experimental)
Partition coefficient: n- octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other safety information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No additional information available

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature)

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid



No information available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

	LD50 Oral - Rat - 3,053 mg/kg
	Remarks: Gastrointestinal:Ulceration or bleeding from stomach
	Gastrointestinal:Ulceration or bleeding from duodenum
	Gastrointestinal:Ulceration or bleeding from small intestine
Acute toxicity:	(RTECS)
	Inhalation: No data available
	LD50 Dermal - Rabbit - > 7,940 mg/kg
	Remarks: (External MSDS)
	Skin - Rabbit
Skin corrosion/irritation:	Result: No skin irritation - 24 h
	Remarks: (External MSDS)
	Eyes - Rabbit
Serious eye damage/eye irritation:	Result: Mild eye irritation
	Remarks: (External MSDS)
Respiratory or skin sensitization:	
	No data available
Germ cell mutagenicity:	
	No data available
Carcinogenicity	
	No data available
Reproductive toxicity	
	No data available
Specific target organ toxicity - single exposure	
	No data available
Specific target organ toxicity - repeated exposure	
	No data available
Aspiration hazard	
	No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity



No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company

Remarks

Dispose of as unused product

SECTION 14: TRANSPORT INFORMATION

ADR/RID

UN number: No

Packing group: No

Environmental hazards: No

Proper shipping name: No

Transport hazard class(es): No

IMDG

IMDG UN number: No

Packing group: No

Environmental hazards: No

Proper shipping name: No

Transport hazard class(es): No

IATA

UN number: No

Packing group: No

Environmental hazards: No

Proper shipping name: No

Transport hazard class(es): No

SECTION 15: REGULATORY INFORMATION

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

National regulatory information

None

Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out



SECTION 16: OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. China Lithium Product Technology Co., Ltd.(CLPC) and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.lithium-chemical.com for additional terms and conditions of sale.