

MATERIAL SAFETY DATA SHEET

1. Chemicals and Corporate Identification

Product Name: Polycarboxylic acid sodium salt (HAZ-D800)

Company: Wuxi Hazzchem International Trade Co., Ltd.

Address: Luda Road, Loshe Town, Huishan District, Wuxi, China

Zip Code: 214185

Emergency Phone: (+86)18005180339

2. Composition/Information on Ingredients

Composition: Polycarboxylic acid sodium salt

CAS#: 62601-60-9

Active ingredients content: $\geq 38\%$

3. Hazards Identification

GHS Classification: this is not a hazards product.

Emergency overview:

Appearance: Liquid

Color: Yellow to brown

Odor: -

Physical and chemical effects: No information available

Health Effects: No information available

Environmental Effects: No information available

Others effects: No information available

4. First aid measures

Eye contact: In case of contact, flush eyes with plenty of water or saline water. Get medical attention

Skin contact: In case of skin contact, Immediately remove contaminated clothing and shoes. wash affected areas with soap and water for 15 min.

Ingestion: If ingested, drink plenty of warm water, vomit. Get medical attention.

Inhalation: If inhaled, remove to fresh air. Get medical attention.

5. Fire safety measures

Suitable extinguishing media: H₂O, Water fog, Foam, Dry powder, Carbon dioxide (CO₂), sand

Combustion products hazard: Harmful Combustion products contains CO, CO₂, NO_x

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

6. Leakage emergency response

Personal precaution:

Isolate spill area, Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary people out of spill area.

Environmental protect:

Avoid run-off into ground, storm sewers, water

Spill and leak out operation:

In case of spills or release: Use appropriate personal protective equipment measures during clean-up. For small spills, use asolid absorbent and place in disposal container. For large spills, dike the area to facilitate salvage or disposal. Avoid run-off into storm sewers.

7. Handling and storage**Procedure: Adhere to standard chemical safety precautions.**

Storage: Store in sealed and dry packaging containers, avoiding contact with strong acids and isocyanates. Strictly avoid direct exposure to sunlight or rain.

Storage container materials: galvanized iron drums, plastic drums, etc.

Storage temperature: atmospheric temperature

Storage period: within 12 Months

8. Exposere controls/Personal protection**High concentration limit: not stated**

Engineering Controls: Sealing operation is needed, Local exhaust ventilation is necessary

Personal Protective Equipment**Eye protection**

Chemical safety goggles or safety glasses with side-shields.

Hand protection

leak-proof gloves, butyl rubber gloves, nitrated rubber gloves, chloroprene rubber gloves, etc.Skin and body protection

None required under normal conditions of use.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and chemical properties

Appearance: Yellow to brown liquid

pH Value: 5-7

Solid content: 38%-42%

10. Stability and reactivity

Stability: Stable

Conditions to avoid: Avoid Direct light, heat, flames, sparks and other sources of ignition. Fire-fighting facilities is necessary

Materials to avoid: Oxidizing agents,Isocyanates,acid

Hazardous decomposition products

No hazardous decomposition under normal operation.

11. Toxicological information

Acute toxicity: No Data

Skin irritation: No Data

Eye irritation: No Data

Inhalation hazard: Normally unarmful, Low steam pressure under atmospheric temperature

Carcinogenicity: **No Data**

KOREA .KOSHA : unstated

US. OSHA : Unstated

US. NTP : Unstated

US. IARC : Unstated

US.ACGIH : Unstated

Mutagenicity: No relevant information found

Long term contact effect: No harmful effect detected after long time contact

12. Ecology Information

Avoid runoff onto the ground, rainwater pipes, or water bodies.

13. Disposal considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Note: Recondition or dispose of empty container in accordance with governmental regulations.

14. Transport information

UN No.: Unstated

Packaging marking: No need

Packaging methods: Packaging with plastic tank

Note: Containers should be complete, sealed while transport, ensure the containers do not leak, fall, or be damaged. Oxidant, acid, food mixed transport is prohibited. Transport carriers must be thoroughly cleaned, disinfected after transport. Goods location should be away from the bedroom , kitchen , and isolated from the cabin , power supply, the source of fire and other parts on the ship.

15. Regulatory informatio

The safe use, storage, transportation, loading and unloading, classification and mark of the chemicals was be provisions in the following laws and regulations and standard:

Safety rules for classification,precautionary labeling and precautionary statements of chemicals - (GB/T20576-2006 ~ GB/T20602-2006);

General rule for classification and hazard communication of chemicals- (GB/T13690-2009);

Classification and labels of dangerous chemical substances commonly used-(GB/T13690-2009)

Classification and code of dangerous goods -- (GB/T-6944-2005)

Safety data sheet for chemical products content and order of sections -(GB/T 16483-2008)

This product is a polymer according to the definition in Directive 92/32/EEC (7th Amendment to Directive 76/548/EEC) and all of its

starting materials and intentional additive are in the European Inventory of Existing Commercial Chemical Substances (EINECS) or in compliance with European (EU) chemical inventory requirements. In the meantime, all components in this product are not classified

as Hazardous Chemicals according to the following chemical substances list.

TSCA (Toxic Substances Control Act Inventory of Chemical Substances)

EINECS/ELINCS (European Inventory of Existing Commercial Chemical Substances)

AICS (Australian Inventory of Chemical Substances)

IECSC (Chinese Existing Chemical Substances)

US.Toxic Substances Control Act

KECL (Korean Toxic Chemical Control Law)

16. Other Sections

Version Date: 2023.3.1

Version No.: 1.0/EN

Guidance departments: Production run Department

Data audit department: Technology Center

The information in this safety data sheet (MSDS) is believed to be accurate and is given in good faith but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representation or warranty, express or implied, is made with respect to information or products including without limitation warranties of merchantability or fitness for a particular purpose or non-infringement of any third-party patent or other intellectual prope