

MATERIAL SAFETY DATA SHEET

1. Chemicals and Corporate Identification

Product Name: Calcium Dodecylbenzenesulfonate (500# - Anhydrous 50)

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: Calcium Dodecylbenzenesulfonate

CAS#: 26264-06-2

3. Hazards Identification

Emergency Overview:

Appearance and Physical Properties: Liquid

Color: Yellow to brownish-yellow

Odor: Calcium Sulfonate

According to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), this product is non-hazardous.

GHS Hazard Categories

According to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), this product is classified as non-hazardous.

Physical and Chemical Hazards

No classification required based on available information.

Health Hazards

No classification required based on available information.

Environmental Hazards

No classification required based on available information.

Other Hazards

No data 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: brownish-yellow liquid

pH Value: 5-7

Water content: ≤0.5%

Contaminant Content: 48-52

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 toxic effects:

Inhalation: Inhalation of degradation products may pose health risks.

Swallowing: May cause harm.

Skin contact: May cause skin allergic reactions.

Eye contact: No serious hazard.

Chronic or long-term toxic effects: Skin contact: If an allergic reaction occurs, a more severe allergic reaction may occur upon subsequent exposure.

Carcinogenicity: No significant effect.

Numerical toxicity measurement:

LD50 orally-rat->2000 mg/kg;

LD50 dermally-rat->2000 mg/kg

12. Ecology Information

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

13. Disposal considerations

Waste disposal method:

Waste gas treatment shall comply with the relevant local, provincial, or national regulations.

matters need attention:

When using or handling empty containers, comply with the relevant government regulations.

14. Transport information

UN No.: Not specified

Packaging marking: Not required

Packaging method: Packaged in galvanized iron drums or plastic drums.

Transportation Precautions: Before transportation, ensure the packaging container is intact and sealed. During transit, prevent leakage, collapse, falling, or damage to the container. Strictly avoid mixing with oxidizers, acids, or food-grade chemicals. Transport vehicles and vessels must be thoroughly cleaned and disinfected; otherwise, they shall not carry other goods. For maritime transport, the loading area should be located away from bedrooms and kitchens, and isolated from engine rooms, power sources, and other ignition sources.

15. Regulatory information

Legal Information: The following laws, regulations, and standards govern the safe use, storage, transportation, handling, classification, and management of chemicals.

Corresponding regulations have been established regarding aspects such as signage:

The series of standards for chemical classification, warning labels, and precautionary labeling specifications (GB 20576-2006 to GB 20602-2006).

List of Hazardous Chemicals: Not included.

List of Highly Toxic Chemicals: Not included.

List of Dangerous Goods (GB 12268-2012): Not included.

"China's List of Existing Chemical Substances": Included.

List of Highly Toxic Substances: Not included.

List of Hazardous Chemicals Subject to Explosion Control (2011 Edition): Not included.

List of Chemicals Suspected of Being Used in Drug Manufacturing: Not included.

"List of the First Batch of Key Hazardous Chemicals Subject to Strict Supervision": Not included.

Regulations on the Safety Management of Hazardous Chemicals (State Council Order No.591).

Additional information: EU Regulation

Determine the hazard classification and labeling of substances in accordance with EU Regulation 67/548/EEC and Regulation 1999/45/EC (including their amendments), taking into account the usage of existing products.

Dangerous label:



Irritant

Risk Description: R43-Skin contact may cause allergic reactions.

Safety Description: S24-Avoid skin contact.

S37 – Wear protective gloves.

16. Other Sections

Version Date: 2023.3.1

Version No.: 1.0/EN

Guidance departments: Production run Department

Data audit department: Technology Center

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