

MATERIAL SAFETY DATA SHEET 物质安全数据单

DECOBS

1. Chemical Product and Supplier Identification

Product Name

- Decanoic acid, 2-[[[4-sulfophenoxy]carbonyl]oxy]ethyl ester, sodium salt

General Information

- White solid powder, nature odor of fatty acid
- The class of an anionic cosurfactant carbonate
- The aqueous solution is foaming
- there is negligible likelihood of harm to man and the environment during manufacture and use of this material

Product Use

- Bleach activator for inclusion in laundry detergents to create an oxygen based bleaching system.

Synonyms

- DECOBS

Manufacturer

- Shangyu Jiehua Chemical Co., Ltd.
- Hangzhou Gulf Fine Chemical Zone, Shangyu, Zhejiang 312369, China
- Tel: +86 575 2131151 Fax: +86 575 2129555
- Emergency Call: +86 575 2131151

MSDS Number

- JHOBS-01-01

Effective Date

- August 1, 2005

2. Composition/Information on Ingredients

| Ingredients | Weight, % |
|--------------------------------|--------------|
| DECOBS | Min. 50 ± 3% |
| H ₂ O | Max. 0.5% |
| Disodium phenolsulfate | Max. 0.1% |
| 2-(decanoyloxy)ethyl decanoate | Max. 0.1% |

3. Hazards Identification

Emergency Overview

- Hazard classification Not Hazardous
- Risk phrases None
- Safety phrases See Sections 4, 5, 6, 7, 8, 10, 12, 13

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- ☞ This product is not “hazardous” within the meaning of the OSHA Hazard Communication Standard

Potential Health Effects

- ☞ General..... Irritating to mucous membrane, eyes, and skin.
- ☞ Inhalation..... Irritating to the respiratory tract. Coughing, sneezing, difficulty breathing and sore throat.
- ☞ Eye contact..... May cause irritation to the eyes, including pain, redness and reversible damage.
- ☞ Skin contact..... Slight irritation.
- ☞ Ingestion..... Vomiting and diarrhea.

4. First-aid Measures

- ☞ Inhalation..... Remove affected person to fresh air. Seek medical attention if effects persist.
- ☞ Flush eyes with running water for at least 15 minutes with eyelids held open. Seek specialist advice.
- ☞ Eye contact..... Wash affected skin with soap and mild detergent and large amounts of water.
- ☞ Skin contact..... If the person is conscious and not convulsing, give 2-4 cupfuls of water to dilute the chemical and seek medical attention immediately. Do not inducing vomiting.
- ☞
- ☞

5. Fire Fighting Measure

Flash Point

- ☞ 350 °C

Flammability

- ☞ Not applicable

Ignition Temperature

- ☞ Not applicable
- ☞ Lower Flammable Limit/ Upper Flammable Limit:
- ☞ Not applicable

Danger of Explosion

- ☞ Non-explosive

Extinguishing Media

- ☞ Water, carbon dioxide, spray, dry chemical, foam

Fire-Fighting Measures

- ☞ Evacuate all non-essential personnel
- ☞ Wear protective clothing and self-contained breathing apparatus
- ☞ Remain upwind of fire to avoid hazardous vapors and decomposition products
- ☞ Use water spray to cool fire-exposed containers

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6. Accidental Release Measures

Spill Clean-up Procedures

- ☞ Evacuate unprotected personnel from equipment recommendations found in Section 8. Never exceed any occupational exposure limit.
- ☞ Shovel or sweep material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to inventory.
- ☞ Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

7. Handling and Storage

Handling

- ☞ Avoid contact with eyes, skin, and clothing. Do not inhale dust or mists, vapors.

Storage

- ☞ Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers.
- ☞ Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Keep container tightly closed and do not allow water to be introduced to the contents of the container.

8. Exposure Controls/Personal Protection

Engineering Controls

- ☞ General room ventilation is required. Local exhaust ventilation, process enclosures or other engineering controls may be needed to maintain airborne levels below recommended exposure limits.

Respiratory Protection

- ☞ For many conditions, no respiratory protection may be needed; however, in dusty or unknown atmospheres or when exposures exceed limit values, wear a NIOSH approved respirator.

Eye/Face Protection

- ☞ Wear chemical safety goggles and a full face shield while handling this product.

Skin Protection

- ☞ Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant (Recommended materials: PVC, neoprene or rubber)

Other Protective Equipment

- ☞ Eye-wash station
- ☞ Safety shower
- ☞ Impervious clothing
- ☞ Rubber boots

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9. Physical and Chemical Properties

| | |
|----------------------------------|------------------------------------|
| Appearance: | White Solid Powder |
| Odor: | Mild and slight odor of fatty acid |
| PH, 1% Solution: | 6~7 |
| Solubility: | Soluble in water, alcohol etc.. |
| Boiling Point: | not available |
| Melting Point: | > 250°C |
| Vapor Pressure: | not available |
| Density | 0.6-0.96 (25°C) |
| Vapor Density (Air = 1): | not applicable |
| Viscosity at Ambient Temperature | 12cp(60°C) |
| Molecular Weight | 438 |

10. Stability and Reactivity

Stability

- ☞ Stable under normal conditions

Conditions to Avoid

- ☞ Heat, spark, flames

Incompatibilities

- ☞ Strong oxidizers, peroxides and acids

Hazardous Decomposition Products

- ☞ Burning/decomposing may produce hazardous/toxic gas

11. Toxicological Information

Animal Experiment

- ☞ Acute LD50 Oral: 5000 mg/kg, rat
- ☞ Acute LD50 Inhalation: No data available
- ☞ Chronic/Other: Information on teratogenicity, mutagenicity, and carcinogenicity not available

12. Ecological Information

Ecotoxicological Information

- ☞ No data available

Chemical Fate Information

- ☞ No data available

13. Disposal Considerations

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Waste Treatment

- ☞ Dispose of in an approved waste facility operated by an authorized contractor in compliance with local regulations.

Package Treatment

- ☞ The empty and clean containers are to be recycled or disposed of in conformity with local regulations.

14. Transport Information

- ☞ DOT (USA) Not regulated
- ☞ TDG (Canada) Not regulated
- ☞ -Label Statements: POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES. Minimize dust generation and accumulation.

15. Regulatory Information

According to the data available, the product is not regulated product.

16. Other Information

Disclaimer

- ☞ The submission of this MSDS may be required by law but this is not an assertion that this substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in conjunction with occupational safety and health.
- ☞ The data in this Material Safety Data Sheet is believed to be correct. However, since conditions of use are outside our control it should not taken as a warranty of representation for which Shangyu Jiehua Chemical Co., Ltd. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.