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Material Safety Data Sheet

Isooctyl stearate(2-EHS) MSDS

Last Updated: 10/28/2019

Prepared according to GB/T 16463-2008

Created: 10/28/2019

and GB/T 17519-2013

Section 1 - Chemical Product and Company Identification

Product Name: Isooctyl stearate; 2-ethylhexyl stearate; Octadecanoic acid, 2-ethylhexyl ester; 2-EHS

CAS#: 40550-16-1; 22047-49-0

Company Name: ZHEJIANG WUMEI BIOTECHNOLOGY CO., LTD

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Product recommendation and limitation of use:

This substance is used by consumers, in articles, by professional workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.

Consumer Uses

This substance is used in the following products: washing & cleaning products, adhesives and sealants, lubricants and greases, polymers, textile treatment products and dyes, plant protection products, polishes and waxes and fertilisers.

Release to the environment of this substance can occur from industrial use: in the production of articles and in processing aids at industrial sites.

Other release to the environment of this substance is likely to occur from: indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners) and outdoor use.

Article service life

Release to the environment of this substance can occur from industrial use: in the production of articles and formulation in materials. Other release to the environment of this substance is likely to occur from: outdoor use in long-life materials with low release rate (e.g. metal, wooden and plastic construction and building materials), indoor use in long-life materials with low release rate (e.g. flooring, furniture, toys, construction materials, curtains, foot-wear, leather products, paper and cardboard products, electronic equipment), indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners) and outdoor use. This substance can be found in complex articles, with no release intended: vehicles. This substance

can be found in products with material based on: plastic (e.g. food packaging and storage, toys, mobile phones), wood (e.g. floors, furniture, toys) and leather (e.g. gloves, shoes, purses, furniture). This substance is intended to be released from scented: clothes.

Widespread uses by professional workers

This substance is used in the following products: washing & cleaning products, polishes and waxes and plant protection products.

ECHA has no public registered data on the types of manufacture using this substance. Other release to the environment of this substance is likely to occur from: indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners) and outdoor use.

Formulation or re-packing

This substance is used in the following products: polymers, lubricants and greases and textile treatment products and dyes.

Release to the environment of this substance can occur from industrial use: formulation of mixtures and formulation in materials.

Uses at industrial sites

This substance is used in the following products: washing & cleaning products, metal surface treatment products, polymers, textile treatment products and dyes and pH regulators and water treatment products.

This substance is used for the manufacture of: textile, leather or fur.

Release to the environment of this substance can occur from industrial use: in processing aids at industrial sites, in the production of articles, as processing aid, as processing aid and as an intermediate step in further manufacturing of another substance (use of intermediates).

Manufacture

Release to the environment of this substance can occur from industrial use: manufacturing of the substance.

Section 2 - Hazards Identification

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (irritant, permeator), of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENT TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 3 - Composition, Information on Ingredients

Composition	Content	CAS No.
Isooctyl stearate(2-EHS)	98%	40550-16-1; 22047-49-0

Section 4 - First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation:

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5 - Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6 - Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7 - Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapour/spray. Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible.

Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong

oxidizing agents.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Splash goggles. Lab coat.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9 - Physical and Chemical Properties

Physical state and appearance: Organic Liquid.

Odor: Not available.

Taste: Not available.

Molecular formula: C₂₆H₅₂O₂

Color: Not available.

pH (1% soln/water): Not applicable.

Boiling Point: > 300 °C, decomposition probable.

Melting Point: < 10 °C at ca. 1013 hPa.

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: < 0.0001 Pa at 20 °C.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:

Soluble in acetone. Partially soluble in methanol. Insoluble in cold water.

Section 10 - Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11 - Toxicological Information

Routes of Entry: Eye contact. Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

No specific information is available in our database regarding the other toxic effects of this material for humans.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12 - Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly short term degradation are not likely hazardous. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13 - Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 - Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15 - Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Isooctyl stearate

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): This product is not classified according to the EU regulations..

DSCL (EEC): R36- Irritating to eyes.

HMIS (U.S.A.):

Health Hazard: 0

Reactivity: 0

Fire Hazard: 1

Personal Protection: a

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Not applicable. Lab coat. Not applicable. Splash goggles.

Section 16 - Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/28/2019

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall wumeichem.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if wumeichem.com has been advised of the possibility of such damages.