



# 杭州大阳化工有限公司

Hangzhou Dayangchem Co., Ltd.

## Safety Data Sheet

No :M-8555

### Section 1 - Product and Company Identification

**MSDS Name:** Glyceryl tris(12-hydroxystearate)

**Synonyms:** Octadecanoic Acid, 12-hydroxy-, 1,2,3-propanetriyl Ester

**Company Identification:** Hangzhou Dayangchem Co., Ltd.

**For information, call:** 86-571-88938639

**For information,E-mail:** infores@chinadayangchem.com

**Emergency Number:** 86-571-88938639

**For CHEMTREC assistance, call:** 86-571-88938639; FAX:86-571-88938652

### Section 2 – Hazards Identification

#### Classification of the substance or mixture

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Directive 67/548/EEC.

#### Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

**Other hazards-**none

### Section 3 – Composition/Information on Ingredients

| CAS#     | Chemical Name                     | % | EINECS#   |
|----------|-----------------------------------|---|-----------|
| 139-44-6 | Glyceryl tris(12-hydroxystearate) | / | 205-364-6 |

## Section 4 - First Aid Measures

**Eye contact:** Rinse with water. Get medical attention if irritation develops or persists.

**Skin contact:** Rinse skin with water/shower. Get medical attention if irritation develops or persists.

**Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.

**Ingestion:** Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

## Section 5 - Fire Fighting Measures

**Protective equipment and precautions for firefighters:** Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

**Extinguishing Media:** Use Water. Water Fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

## Section 6 - Accidental Release Measures

**Personal precautions:** Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not contaminate water.

**Spills/Leaks:** Should not be released into the environment. Sweep up or gather material and place in appropriate container for disposal. Collect dust or particulates using a vacuum cleaner with a HEPA filter. Avoid dust formation. After removal flush contaminated area thoroughly

with water.

## Section 7 - Handling and Storage

**Handling:** Do not handle or store near an open flame, heat or other sources of ignition. Do not breathe dust from this material. Avoid contact with eyes. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid release to the environment. Handle and open container with care.

**Storage:** Guard against dust accumulation of this material. Keep away from heat, sparks, and flame. Keep in a well-ventilated place. Keep container tightly closed. Use care in handling/storage.

## Section 8 - Exposure Controls, Personal Protection

Contains no substances with occupational exposure limit values.

### Personal Protective Equipment

**Eyes:** Wear safety glasses with side shields.

**Skin:** PVC or other plastic material gloves.

**Respirators:** If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

**General hygiene considerations:** Do not breathe dust. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid powder.

**Color:** Colorless

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Viscosity:** Not available.

**Boiling Point:** > 572 °F (> 300 °C)

**Freezing/Melting Point:** 179.6 - 188.6 °F (82 - 87 °C)

**Autoignition Temperature:** Not available.

**Flash Point:** > 401 °F (> 205 °C) Tag Closed Cup

**Explosion Limits:Lower:** Not available.

**Explosion Limits Upper:** Not available.

**Decomposition Temperature:** Not available.

**Solubility in water:** Not available.

**Specific Gravity/Density:** 0.895 - 0.9 g/cm<sup>3</sup>

**Molecular Formula:** C<sub>21</sub>H<sub>42</sub>O<sub>5</sub>

**Molecular Weight:** 374.555

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable at normal conditions.

**Conditions to Avoid:** Heat, flames and sparks.

**Incompatibilities with Other Materials:** None known.

**Hazardous Decomposition Products:** Irritants. Toxic gas.

## Section 11 - Toxicological Information

**RTECS#:** CAS# 139-44-6: None listed

**LD50/LC50:** RTECS: Not available.

**Carcinogenicity:** Glyceryl tris(12-hydroxystearate)- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Potential health effects**

**Routes of exposure** Inhalation. Eye contact.

**Eyes** Dust or powder may irritate eye tissue.

**Skin** Health injuries are not known or expected under normal use.

**Inhalation** Inhalation of dusts may cause respiratory irritation.

**Ingestion** Health injuries are not known or expected under normal use.

## Section 12 - Ecological Information

**Environmental effects** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## Section 13 - Disposal Considerations

**Disposal instructions:** Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

## Section 14 - Transport Information

**IATA** : Not regulated as a dangerous material.

**RID/ADR:** Not regulated as a dangerous material.

**IMO:** Not regulated as a dangerous material.

## Section 15 - Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006

## Section 16 - Other Information

**MSDS Creation Date:** 23/09/2009

**Revision #1 Date:** 20/01/2012

*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 the company 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 the company has been advised of the possibility of such damages.*