

GLYCERYL MONOSTEARATE

Issue date: 16 December 2022

Presentation and rules of drafting in conformity with the regulation (CE) 1907/2006 and amendments.

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANIES.

REACH Registration number: 01-2119495562-30

1.1 Name of the substance: Glyceryl Monostearate

1.2 Use of the substance: antistatic agent

1.3. Identification of companies :

Supplier : Assistance Distribution Chimie
123 rue Marie Curie
26780 Châteauneuf-du-Rhône
Phone : 33 (0)4 75 54 35 05
E-Mail : contact@adc-chimie.com

Producer : FACI
16042 CARASCO
(GE-ITALIA)

Emergency number : ORFILA 33 (0)1 45 42 59 59

ANTI-POISON CENTERS :

Paris : 33(0) 1 40 05 48 48 –

Angers : 33 (0)2 41 48 21 21

Bordeaux : 33 (0)5 56 96 40 80

Lille : 0 825 812 822

Lyon : 33 (0)3 4 72 11 69 11

Marseille : 33(0) 4 91 75 25 25

Nancy : 33 (0)3 83 32 36 36

Rennes : 33 (0)2 99 59 22 22

Strasbourg : 33 (0)3 88 37 37 37

Toulouse : 33 (0)5 61 77 74 47

Toxicovigilance centers: GRENOBLE – REIMS - ROUEN

2. HAZARDS IDENTIFICATION.

- Classification according to Regulation (EC) N°1272/2008 (CLP): Not classified
 - Adverse physicochemical, human health and environmental effects: No additional information available
 - Labelling according to Regulation (EC) N°1272/2008 (CLP): No labelling applicable
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3. COMPOSITION/INFORMATION ON INGREDIENTS:

3.1 Main component

Glyceryl monostearate (40-60%)

3.2 EINECS Number

CAS Number

286-490-9

85251-77-0

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4. FIRST AID MEASURES:

4.1 Inhalation:

Remove person to uncontaminated area. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical advice/attention.

4.2 Skin contact:

Wash skin with soap and water for at least 15 minutes. Remove all contaminated clothing and footwear. Get medical advice/attention. Thoroughly clean and dry contaminated clothing and shoes before reuse.

4.3 Eyes contact:

Rinse immediately with plenty of water for 15 minutes. Get medical advice/attention.

4.4 Ingestion:

If a large amount is swallowed, get medical attention.

5. FIRE FIGHTING MEASURES :

5.1 Extinguishing media:

Suitable: carbon dioxide (CO₂), water, dry chemical powder.

For large fire: Use regular foam or flood with fine water spray. Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Use extinguishing media appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Unsuitable: None identified.

5.2 Special hazards arising from the substance or mixture:

5.2.1 Fire hazard: Avoid release of dust.

5.2.2 Explosion hazard: fine dust dispersed in air in sufficient concentrations, and in the presence of an effective ignition source is a potential dust explosion hazard. Keep away from sparks, flame, static discharges and other effective ignition sources listed in UNI EN 1127-1.

5.3 Advice for firefighters:

Protective equipment for firefighters: Use self-contained breathing apparatus and chemically protective clothing.

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6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions:

6.1.1 General measures: Avoid dust formation. Do not smoke.

6.1.2 In case of non-emergency:

Protective equipment: Wear suitable protective clothing. Wear recommended personal protective equipment.

Emergency procedures: Immediately contact emergency personnel. Evacuate area.

6.1.3 In case of emergency:

Protective equipment: In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing. Wear recommended personal protective equipment.

Emergency procedures: Evacuate and limit access.

6.2 Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. Do not allow to enter into soil/subsoil. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

6.3 Methods and material for containment and cleaning up:

Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Avoid dust formation.

7. HANDLING AND STORAGE:

7.1 Precautions for safe handling:

7.1.1 Additional hazards when processed:

Avoid contact with eyes, skin, and clothing.

7.1.2 Precautions for safe handling:

Store locked up. Keep away from incompatible materials. Avoid open flames.

7.1.3 Hygiene measures:

Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing prior to re-use. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities:

7.2.1 Storage conditions: Store in a dry, cool area. Avoid direct sun irradiation. Recommended storage temperatures 5 – 25°C. Do not exceed 30°C to avoid agglomeration events. Keep container tightly closed. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

7.2.2 Maximum storage period: around 12 months

7.2.3 Heat and ignition sources: Keep away from open flames, hot surfaces and sources of ignition.

7.2.4 Special rules on packaging: Keep only in original container.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

8.1 Appropriate engineering controls:

Provide adequate ventilation to minimize dust concentrations. Either local exhaust or general room ventilation is usually required. A washing facility/water for eye and skin cleaning purposes should be present.

8.2 Personal protective equipment:

Gloves. In case of dust production: protective goggles. Protective clothing. Respiratory protection.

8.3 Materials for protective clothing:

Wear chemical resistant protective clothing (EN 14605) and protective shoes (S1P or S3)

8.4 Hand protection:

Wear suitable gloves tested to EN 374.

Nitrile rubber

8.5 Eye protection:

Protective goggles.

8.6 Respiratory protection:

Dust production: dust mask with filter type P2. Respirator for inert particles. Wear a respirator conforming to EN140.

8.7 Personal protective equipment symbol(s):



8.8 Environmental exposure controls:

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area and the formation of dust clouds or dust accumulation on surfaces.

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Preservation and rules of labeling in conformity with the Regulation (CE) 1271/2008 and amendments

9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Physical form at room temperature:	Solid
Appearance:	Powder
Colour:	White (ivory)
Odour:	Slightly fatty
9.2 Important health, safety and environmental information:	
Molecular mass:	527 g/mol
pH:	6 – 7
Boiling point:	not applicable
Melting point:	56-66°C
Flash point:	around 180 °C (C.O.C. method)
Decomposition temperature:	> 200°C
Auto-ignition temperature:	>250 °C
Flammability:	Not available
Vapour pressure at 20 °C:	< 0,0001 mbar
Density (melted):	0,95-0,96 g/cm ³
Solubility:	--
Hydro-solubility:	insoluble
Viscosity:	Not applicable
VOC content:	Around 0 (Directive 2010/75/EC)

10. STABILITY AND REACTIVITY:

- 10.1 Reactivity:**
Stable under normal conditions of use.
- 10.2 Chemical stability:**
Stable under normal conditions of use.
- 10.3 Possibility of hazardous reactions:**
None under normal conditions.
- 10.4 Conditions to avoid:**
Avoid temperature over 25 °C. 10.5. Incompatible materials
- 10.5 Incompatible materials:**
Strong oxidizing agents
- 10.6 Hazardous decomposition products:**
Acrolein

11. TOXICOLOGICAL INFORMATION:

- 11.1 Acute toxicity (oral, dermal, inhalation):** Not classified
 - 11.2 LD50 oral rat** > 5 g/kg
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12. ECOLOGICAL INFORMATION:

12.1 Toxicity:

12.1.1 Acute aquatic toxicity: Not classified

12.1.2 Chronic aquatic toxicity: Not classified

12.2 Persistence and degradability:

Readily and rapidly degradable.

Biodegradation: > 60% (OECD 301 method)

12.3 Bioaccumulative potential:

No additional information available

12.4 Mobility in soil:

No additional information available

12.5 Results of PBT and vPvB assessment:

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects:

No additional information available

13. DISPOSAL CONSIDERATIONS:

Waste treatment methods: Waste from residues/unused products: can be land-filled in accordance with local and national regulations. Contaminated packaging: in accordance with local and national regulations.

14. TRANSPORT INFORMATION:

14.1 Not applicable in the meaning of transport regulations: IMDG, ADR, RID, ADN, IATA.

14.2 No special precautions for user

14.3 Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable

15. REGULATORY INFORMATION:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations:

No REACH Annex XVII restrictions

GLYCERIL-MONOSTEARATE 40-60 is not on the REACH Candidate List

GLYCERIL-MONOSTEARATE 40-60 is not on the REACH Annex XIV List

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15.2 National regulations

- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on the Canadian DSL (Domestic Substances List)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
- Listed on the Japanese ISHL (Industrial Safety and Health Law)
- Listed on the Korean ECL (Existing Chemicals List)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Listed on the TCSI (Taiwan Chemical Substance Inventory)

Germany

Reference to AwSV: Water hazard class (WGK) 1, low hazard to water (Classification according to VwVwS, Annex 1 or 2; ID No. 8745)

WGK remark: The rating refers to the unadditivated substance. If additives are added, higher WGK are possible in accordance with the rules set out in Annex 1 No. 5 of the AwSV.]

12th Ordinance Implementing the Federal Immission Control Act - 12. BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen: The substance is not listed

SZW-lijst van mutagene stoffen: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: The substance is not listed

Denmark

Classification remarks: Emergency management guidelines for the storage of flammable liquids must be followed

15.3 Chemical safety assessment:

CSA is not required

The substance is not hazardous

16. OTHER DATA:

R-phrase(s): None

S-phrase(s): None

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17. OTHER INFORMATION:

No restriction for this chemical under normal condition of uses.

This MSDS completes the technical data sheet but does not replace it. The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its revision. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, distribution, uses and cleaning, disposal and release in a security state and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.

We caution the users to the incurred possible risks when the product is used at other ends than the use for which it is planned.

It exempts under no circumstances the user from knowing and applying all the texts regulating its activity. The user will take under its only responsibility the precautions linked to the use which he makes of the product.

Active

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