



12 Hydroxy Stearic Acid CAS No.106-14-9

1. Chemical Product and Company Identification

Product Name 12-Hydroxy Stearic Acid (12HSA)

Manufacturer/Supplier: Sparchem

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2. Composition/Information on Ingredients

Composition Fatty Acid

Min 82% is 12-Hydroxy stearic acid by GLC

Cas No. Chemical name Concentration R-phrases

106-14-9 Fatty Acid Hydrogenated Fatty Acids

having –OH group at the

secondry position

3. Hazards Identification

12HSA is not a hazardous material nor does it contain any hazardous ingredients.

4. First-Aid Measures

In case of ingestion, rinse the mouth. In case of inhalation remove to fresh air immediately. In case of skin contact wash with plenty of water & soap. In case of eye contact rinse with plenty of water.

5. Fire Fighting Measures

Extinguishing Media Foam, Carbondioxide, Water, Dry Chemical Powder

Unsuitable Extinguishing Media No restrictions

In case of fire, carbon monoxide & carbon dioxide can be formed

Special Protective equipment Standard Fireman's Body Protection and self-contained breathing apparatus is recommended

6. Accidental Release Measures

Personal precautions Wear suitable respiratory protection

Environmental precautions None

Methods For Cleaning Up Sweep dry and flush with water. If melt is spilled, allow it to solidify.

12-HYDROXY STEARIC ACID

502410

7. Handling and Storage

Handling Avoid dust formation and away from sources of ignition.

Storage Keep containers close and in dry shaded godown, away from heat.

8. Exposure Controls/Personal Protection

Engineering measures No special measures required

Control Parameters * limit values of inert dust : max 6mg/m³

* biological standards

Personal Protection Usual, as taken for handling chemicals.

-- Respiratory Equipment Dust mask

-- Hand Protection Hand Savers

-- Eye Protection Protective Glasses

-- Skin Protection None

9. Physical and Chemical Properties

Appearance Creamy to white flakes or powder

Odour Natural, Non offending

PH Not Applicable

Boiling point / Boiling range Above 300°C

Melting point/ Melting range 72-77°C

Flash point 210°C

Flammability(solid, gas) None

Autoflammability None

Explosive properties Dust Explodable

Oxidising properties None

Vapour Pressure Not Applicable

Relative Density About 0.95 at 25°C

Solubility - Water solubility Insoluble

- Fat solubility

Partition coefficient

n-octanol/water Not Applicable

Other data

(Indicate important safety parameters, such as vapour density, miscibility, evaporation rate, conductivity, viscosity, etc.)

10. Stability and Reactivity

Conditions to avoid Temp. more than 72°C
Materials to avoid Alkalies
Hazardous decomposition products
None if handled & stored according to prescription

11. Toxicological Information

Expected LD50 orl-rate > 5000 mg/kg based on data taken from similar product

12. Ecological Information

Mobility Not Determined
Degradability Readily biodegradable
Short & long term effects on Ecotoxicity
Acute fish toxicity LCO > 100 mg/L
Bacteria toxicity ECO > 100 mg/L
Other adverse effects None

13. Disposable Considerations

Can be landfilled together with household refuse, in accordance with the regulations

14. Transport Information

Not classified as hazardous

15. Regulatory Information

Acc. to EEC Council Directive, it is not a dangerous substance, but suitable precautions of handling chemicals should be taken

16. Other Information

These data are based on our present knowledge. However, they will not constitute a guarantee for any specific product features and will not establish a legal contractual relationship