Safety Data Sheet

UAB Saflora safety data sheet according to Regulation (EC) No. 1907/2006. 1907/2006 as amended from time to time.

Reviewed: 2024-08-30 Version: 1.0 EN
Product: dihydroxyacetone

2024-08-30

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: dihydroxyacetone
Product code: 1248

1.2. Relevant identified uses of the substance or mixture and uses recommended
Relevant identified uses: cosmetic ingredients
Uses advised against: product not intended for direct consumer use.

1.3. Details of the supplier of the safety data sheed
Company: UAB Saflora
Legal address: Naugarduko g. 102, LT03160, Vilnius, Lithuania
Tel.: +37062959500
E-mail: info@sapolita.lt

1.4. Emergency telephone number
Poisoning and drug information center: : +37052362052 and +37068753378
Emergency number: 112
Supplier: : +37062959500

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) 1272/2008 [CLP]
Not classified

2.2. Label elements
In accordance with Regulation (EC) No 1272/2008 labeling does not apply.

2.3. Other hazards
No specific hazards known if stored and handled as prescribed / indicated.

SECTION 3: Composition/information on ingredients

Name: dihydroxyacetone
INCI name: dihydroxyacetone
CAS number: 96-26-4
EINECS number: 202-494-5
Molar mass: 90,08 g/mol
Active substance concentration: min 99%
Composition / formula: HOCH2C(O)CH2OH. 1,3-Dihydroxypropan-2-one.

SECTION 4: First aid measures

4.1. Description of first aid measures

Seek medical attention if adverse health effects occur.

In case of Inhalation:
unrelated

In case of skin contact:
No instruction as this is a non-toxic product.
In case of eyes contact:
Rinse immediately with plenty of running water (10 minutes) and seek medical advice if necessary.
In case of Ingestion:
No instruction as this is a non-toxic product.

4.2. Most important symptoms and effects, both acute and delayed

Intensive use and proper handling are not expected to pose a risk.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

CO2 or Dry chemical fire extinguisher, foam.

5.2. Special hazards arising from the substance or mixture

Do not inhale combustion gases. Burning produces heavy smoke.

5.3. Advice for firefighters

In case of fire do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
Wash with plenty of water.

6.4. Reference to other sections
See also section 8 and 13.

SECTION 7: Hadling and storage

7.1. Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practice.
Take precautionary measures against static discharges. Avoid all possible sources of ignition: heat, sparks, open flame.

7.2. Conditions for safe storage, including any incompatibilities
Suitable materials for containers: polyethylene, polypropylene, glass, PET.
Storage stability: Stable if stored and used under normal conditions, hygroscopic material, store in a dry place, sealed.
Storage temperature: 12-25 °C

7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controlspersonal protection

8.1. Control parameters
Derived No Effect Level (DNEL): None in particular

Predicted No Effect Concentration (PNEC): None in particular

8.2. Exposure controls
Eye/face protection: should not be necessary.
Skin protection: should not be necessary.

Respiratory protection: should not be necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Forma: solid
Odor: weak, specific
Color: white to slightly ivory
Density g/cm³: 1,52
Melting point °C: 95,5-97,5
Boiling point °C: 188
pH: 4-6 (5% aq)
Solubility: soluble in H2O (930 g/l 20 C), ethanol.

9.1. Other information
None in particular

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions

10.2. Chemical stability
The product is stable at temperatures < +40 °C and pH from 4 to 6.

10.3. Possibility of hazardous reactions
None under normal conditions

10.4. Conditions to avoid
Avoid exposure to strong acids, alkalis and oxidants.

10.5. Incompatible materials
Concentrated acids, alkalis and oxidising agents.

10.6. Hazardous decomposition products
This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes and smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity:
Essentially non-toxic after a single ingestion.
LD50 (rat, oral) mg/kg: 16000
This product has not been tested. The claim was derived from substances / products with a similar structure or composition.

Skin corrosion/irritation:
No skin irritation data available.

Respiratory or skin sensitisation:
LD50 (mouse, inhalation) mg/kg: 5114
No evidence of skin sensitization. Not considered to be an inhalation hazard.

Germ cell mutagenicity:
The chemical structure does not suggest such an effect.

Carcinogenicity:
The chemical structure does not suggest such an effect.

Reproductive toxicity:

The chemical structure does not suggest such an effect.

STOT-single exposure:
Based on available data, the classification criteria are not met.

STOT-repeated exposure:

The information provided on the product does not indicate any specific target organ toxicity in case of repeated interactions.

Other toxicological information:
Product not tested. Toxicity reports were based on the properties of the individual components.

SECTION 12: Ecological information

12.1. Toxicity

The assessment of the aquatic toxicity of the product has not been performed. Toxicity has been reported based on the properties of the individual components.

Toxicity to fish	LC50: >100 mg/L (96h) (Danio rerio) (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	EC50: >100 mg/L (48h) (Daphnia magna)

12.2. Persistence and degradability

Biodegradability	Readily biodegradable.
Biochemical Oxygen Demand (BOD)	77%, 28d, aerobic Biochemical oxygen demand. (OECD Test Guideline 301D)

12.3. Bioaccumulative potential

No data available.

Partition coefficient: n-octanol/water	log Pow = -1,95. Method: OECD Test Guideline 107

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The product does not contain any substance meeting the criteria for PBT (persistent / bioaccumulative / toxic) or vPvB (very persistent / very bioaccumulative).

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Must be handled in accordance with local regulations.

SECTION 14: Transport information

14.1. UN number
Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not regulated as a dangerous good.

14.4. Packing Group
III

14.5. Environmental hazards
Not applicable.

14.6. Special Precautions for User
No.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not evaluated.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulation/legislation specific for the substance or mixture
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC)

15.2. Chemical Safety Assessment
Advice on handling is provided in sections 7 and 8 of this safety data sheet.

SECTION 16: Other information

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular
This SDS has been compiled and is solely intended for this product.

UAB Saflora cannot however accept liability for any loss, injury and/or damage that results from use or misuse of the information herein.