

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
DHA Natural Liquid Self Tanner

1. Identification of the substance/mixture and company

Trade name: DHA Natural Liquid Self Tanner
Active ingredient
INCI Dihydroxyacetone, Water
CAS No. : 96-26-4, 7732-18-5
EINECS/EC No. : 202-494-5, 231-791-2
REACH pre-registration No. : -
Utilization: Raw material for cosmetic or professional use
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture
Classification (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.2 Label elements
Labelling (REGULATION (EC) No 1272/2008)
None

2.3 Other hazards
Hazards not Otherwise Classified.: None
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. Declaration of ingredients

3.1 Substances
Remarks : No hazardous ingredients

4. First aid measures

4.1 Description of first aid measures
General advice : Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately. If on skin, rinse well with water.

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
DHA Natural Liquid Self Tanner

In case of eye contact : Remove contact lenses. Immediately flush eyes for at least 15 minutes. Get medical attention.

If swallowed : Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : no data available

Risks : no data available

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : no data available

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Dry chemical Alcohol-resistant foam Carbon dioxide (CO₂) Water spray

Unsuitable extinguishing media: no data available

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: no data available

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : no data available

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Not applicable

7. Handling and storage

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
DHA Natural Liquid Self Tanner

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Temperature class : no data available

Fire-fighting class : no data available

Dust explosion class : no data available

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions: Refrigerated 2-10°C (35 -50°F) Preferably full, hermetically sealed

Advice on common storage : Protect against light.

German storage class : no data available

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : no data available

8. Exposure controls / personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Respiratory protection : Use only in well-ventilated areas.

Hand protection : Use gloves when handling substance in open systems. Inspect gloves prior to use. Train operators for proper use. If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523- 1 breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently.

If direct skin contact is expected: use gloves tested according to EN 16523-1, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time.

Eye protection : Use tightly fitting safety glasses according to EN 166

Skin and body protection : Wear working clothes covering arms and legs.

Hygiene measures : Do not eat, drink or smoke during work. Wash and dry hands after finished working.

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
DHA Natural Liquid Self Tanner

Protective measures : Exposure assessment: Exposure is dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional respiratory protection. PPE is always the last resort to avoid exposure. In any case technical and organisational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained and used to PPE handling.

Environmental exposure controls

General advice : Prevent product from entering drains.

If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : colorless to Pale yellow

Taste : not determined

Odour : not determined

Odour Threshold : no data available

Flash point : > 100 °C

Lower explosion limit : not determined

Upper explosion limit : not determined

Flammability (solid, gas) : no data available

Oxidizing properties : no data available

Auto-ignition temperature : no data available

Decomposition temperature : no data available

pH : no data available

Melting point : not determined

Boiling point : not determined

Vapour pressure : no data available

Density : not determined

Bulk density : Not applicable

Water solubility : no data available

Solubility/qualitative : no data available

Partition coefficient: n-octanol/water: no data available

Viscosity, kinematic : no data available

Relative vapour density : no data available

Evaporation rate : no data available

Explosive properties : no data available

9.2 Other information

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
DHA Natural Liquid Self Tanner

Not applicable

10. Stability and reactivity

10.1 Reactivity

none

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions., No hazards to be specially mentioned.

10.6 Hazardous decomposition products

Hazardous decomposition products: no data available

Thermal decomposition : no data available

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : no data available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : This information is not available.

Acute inhalation toxicity : This information is not available.

Acute dermal toxicity : This information is not available.

Acute toxicity (other routes of administration): No data is available on the product itself.

Skin corrosion/irritation

Skin irritation: No data is available on the product itself.

Serious eye damage/eye irritation

Eye irritation : No data is available on the product itself.

Respiratory or skin sensitisation

Sensitisation : No data is available on the product itself.

Germ cell mutagenicity

Germ cell mutagenicity : No data is available on the product itself.

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According to EU Regulation 1907/2006 in the current version
DHA Natural Liquid Self Tanner

Target Organ Systemic Toxicant - Single exposure Target Organ Systemic Toxicant - Single exposure: No data is available on the product itself.

Target Organ Systemic Toxicant - Repeated exposure

Target Organ Systemic Toxicant – Repeated exposure: No data is available on the product itself.

Aspiration hazard

Aspiration toxicity : No data is available on the product itself.

Carcinogenicity

Carcinogenicity : No data is available on the product itself.

Reproductive toxicity

Reproductive toxicity : No data is available on the product itself.

Phototoxicity

Phototoxicity : No data is available on the product itself.

Further information : no data available

12. Ecological information

12.1 Toxicity

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates: EC50: > 100 mg/l Exposure time: 48 h

Species: Daphnia magna (Water flea)

Method: OECD Test Guideline 202

Toxicity to algae : no data available

Toxicity to bacteria : no data available

Toxicity to fish (Chronic toxicity): no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): no data available

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

Toxicity Data on Soil : no data available

Other organisms relevant to the environment: no data available

12.2 Persistence and degradability

Biodegradability : Result: Readily biodegradable. 77 %

Method: OECD Test Guideline 301 D

Distribution among environmental compartments: no data available

Additional advice

Environmental fate and pathways: no data available

Physico-chemical removability: no data available

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
DHA Natural Liquid Self Tanner

12.3 Bioaccumulative potential

Bioaccumulation : no data available

12.4 Mobility in soil

Mobility : no data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Biochemical Oxygen Demand (BOD): no data available

Dissolved organic carbon (DOC): no data available

Chemical Oxygen Demand (COD): no data available

Adsorbed organic bound halogens (AOX): no data available

Additional ecological information: no data available

13. Disposal considerations

13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of in accordance with local regulations.

14. Transport information

14.1 UN number

N/A

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

N/A

14.4 Packing group

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user

IMDG

IMDG Code Segregation Group: None

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
DHA Natural Liquid Self Tanner

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable for product as supplied.

15. Regulatory information

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

Major Accident Hazard Legislation: Not applicable

Water contaminating class (Germany): WGK 1 slightly water endangering

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

16. Additional information

16.1 Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.