

DS-CERAMIDE Y3O



Solus Biotech

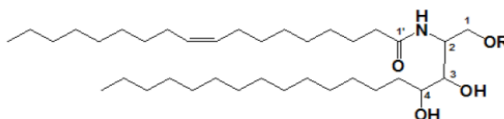
SAFETY DATE SHEET

*According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010,
COMMISSION REGULATION (EU) 2015/830 of May 2015.

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

1.1. Product identifier

Product name : DS-CERAMIDE Y3O
 Common chemical name : N-Oleoyl-phytosphingosine
 Synonyms : N-Octadecenoyl-phytosphingosine
 INCI Name : (2S, 3S, 4R) -Oleoylamido - 1, 3, 4 - octadecanetriol
 Reach status : CERAMIDE NP (CERAMIDE 3)
 CAS number : 01-2120766289-39-0001
 EC number : 100403-19-8/ 178436-06-1
 Chemical formula : 309-560-3/ 812-963-1
 Structure formula : $C_{36}H_{71}NO_4$



1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Cosmetic and personal care product
 Uses advised against : No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier : Solus Biotech Co., Ltd
 Address : 10, Suji-ro 112beon-gil, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea
 Tel. : +82-31-270-1904/ +82-31-270-1760
 OR of Supplier : SCC Scientific Consulting Company
 Address : Am Grenzgraben 11 55545 Bad Kreuznach Germany
 Tel. : +49 (0)671 29486-0/ E-mail : ji-yeong.kim@scc-gmbh.de
 Manufacturer : Solus Biotech Co., Ltd. IKSAN PLANT
 Address : 11, Seogam-ro 11-gil, Iksan-si, Jeollabuk-do, Republic of Korea
 Tel. : +82-63-830-8900

1.4. Emergency telephone number

Emergency telephone : +82-31-270-1904

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture Classification (EC/1272/2008)

Physical/ Health/ Environmental hazards : Not Classified.

*This product does not have to be classified according to the current EC regulation 1272/2008/EC, OSHA, IARC, NTP.

2.2. Label elements

Symbol : Not Classified.
 Signal word : Not Classified.
 Hazard statement : Not Classified.
 Precautionary statements : Not Classified.

SECTION 3. Composition/information on ingredients

3.1. Substances

| Ingredient Name | CAS No. | EINECS No. | Reach Status/ Registration No. | % (By HPLC) |
|---|-----------------------------|-------------------------|---------------------------------------|-------------|
| 1 N-Octadecenoyl-phytosphingosine (INCI : CERAMIDE NP(CERAMIDE 3)) | 100403-19-8/ 178436-06-1 | 309-560-3/ 812-963-1 | Registered / 01-2120766289-39-0001 | min. 95% |

본 문서는 솔루스 바이오텍 주식회사의 정보자산으로, 승인을 받지 않은 문서의 열람, 수정, 배포, 복사를 금지합니다.

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*Synonyms : (2S, 3S, 4R) -Oleoylamido - 1, 3, 4 - octadecanetriol

SECTION 4. First aid measures

4.1. Description of first aid measures

General information :

Get medical attention if any discomfort continues.

Inhalation :

Remove person to fresh air and keep comfortable for breathing.

Ingestion :

Rinse mouth thoroughly with water. Get medical attention immediately.

Skin contact :

Wash skin thoroughly with soap and water.

Eye contact :

Do not rub eye. Remove any contact lenses and open eyelids wide apart.

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes.

Get medical attention if symptoms are severe or persist.

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

Inhalation :

Not available.

Ingestion :

Not available.

Skin contact :

Not available.

Eye contact :

Not available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media :

Use foam, carbon dioxide, dry powder or water fog to extinguish.

Unsuitable extinguishing media :

None Known.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products :

Thermal decomposition or combustion products may include the following substances:
Carbon dioxide (CO₂). Carbon monoxide (CO). Nitrous gases (NOx).

5.3. Advice for firefighters

Protective actions during firefighting :

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions :

Wear protective clothing and gloves.

6.2. Environmental precautions

Environmental precautions :

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up :

Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely.

Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Avoid generation and spreading of dust.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Usage precautions :

Avoid contact with skin and eyes.

Advice on general occupational hygiene :

Provide eyewash station and safety shower.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions :

Keep container tightly closed and dry.

Storage at normal ambient temperature

Protect containers from sunlight and damage.

SECTION 8. Exposure Controls/personal protection

8.1. Control parameters

DNEL :

Not available.

8.2. Exposure controls

Protective equipment :

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8.2. Exposure controls**Protective equipment :****Appropriate engineering controls :**

Provide adequate general and local exhaust ventilation.

Eye/face protection :

Wear chemical splash goggles.

Hand protection :

Wear protective gloves made of the following material: Rubber (natural, latex).

Other skin/ body protection :

Wear protective clothing.

Hygiene measures :

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Respiratory protection :

Respiratory protection not required.

SECTION 9. Physical and Chemical Properties**Appearance :**

Chtystalline solid

Color :

White to off-white

Odor :

Characteristic

Melting point :

102°C

Initial boiling point/ range :

722°C @ 1,013.25 hPa

Flash point :

261°C CC (Closed cup).

Flammability (solid, gas) :

The product is not flammable.

Vapour pressure :

7.24E-17 Pa @ < 25°C

Relative density :

0.982 g/cm³ @ 20°C

Solubility(ies) :

1.0E-11 g/l water @ 20°C

Partition coefficient :

log Pow: 11.79

Explosive properties :

No chemical groups present in the product that are associated with explosive properties.

Oxidising properties :

No chemical groups present in the product that are associated with oxidising properties.

Particle size :

47.98 µm (D50)

Molecular weight :

582

SECTION 10. Stability and reactivity**10.1. Reactivity****Reactivity :**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability**Stability :**

Stable at normal ambient temperatures and when used as recommended.

Stable at normal ambient temperatures for 2 years

10.3. Possibility of hazardous reactions**Possibility of hazardous reactions :**

No potentially hazardous reactions known.

10.4. Conditions to avoid**Conditions to avoid :**

No specific requirements are anticipated under normal conditions of use.

10.5. Incompatible materials**Materials to avoid :**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products**Hazardous decomposition product :**

Not known.

SECTION 11. Toxicological information**11.1. Information on toxicological effects****Acute toxicity - oral :**LD₅₀ rat: > 5000 mg/kg (OECD 401/ Species : rat)**Acute toxicity - dermal :**

Not available.

Acute toxicity - Inhalation

Not available.

Skin corrosion/Irritation

Non-irritating. (Method: OECD 404/ Species: rabbit)

Serous eye damage/Irritation

Non-irritating. (Method: OECD 404/ Species: rabbit)

Respiratory sensitisation

Not available.

Skin sensitisation

Not available.

Germ cell mutagenicity

Not mutagenic.

(Ref. March 2015, CIR safety assessment of Ceramides as used in Cosmetics, 22pages)

| | |
|--------------------------------|----------------|
| Carcinogenicity | Not available. |
| Reproductivity toxicity | Not available. |
| Specific target organ toxicity | Not available. |
| Aspiration hazard | Not available. |
| Carcinogenicity | Not available. |
| Reproductivity toxicity | Not available. |
| Specific target organ toxicity | Not available. |
| Aspiration hazard | Not available. |

SECTION 12. Ecological Information12.1. Toxicity

| | |
|--|---------------------------|
| Acute toxicity - aquatic invertebrates : | Technically not feasible. |
| Acute toxicity - aquatic plants : | Technically not feasible. |
| Acute toxicity -microorganisms : | Technically not feasible. |
| Chronic toxicity - fish early life stage : | Technically not feasible. |
| Chronic toxicity - aquatic invertebrates : | Technically not feasible. |

12.2. Persistence and degradability

| | |
|---------------------------------|---------------------------------------|
| Persistence and degradability : | Expected to be readily biodegradable. |
| Stability (hydrolysis) : | Not available. |

12.3. Bioaccumulative potential

| | |
|-----------------------------|----------------|
| Bioaccumulative potential : | Not available. |
| Partition coefficient : | log Pow: 11.79 |

12.4. Mobility in soil

| | |
|-------------------------------------|----------------|
| Adsorption/desorption coefficient : | Not available. |
|-------------------------------------|----------------|

12.5. Results of PBT and vPvB assessment

| | |
|--------------------------------------|---|
| Results of PBT and vPvB assessment : | This substance is not classified as PBT or vPvB according to current EU criteria. |
|--------------------------------------|---|

12.6. Other adverse effects

Not applicable.

SECTION 13. Disposal considerations13.1. Waste treatment methods

| | |
|--------------------|---|
| Disposal methods : | Dispose of waste via a licensed waste disposal contractor. Dispose of contents/container in accordance with local regulations. |
|--------------------|---|

SECTION 14. Transport information14.1. General

| | |
|---|--|
| EC Regulation : (67/548/EEC-88/379/EEC) | This product does not have to be classified according to the EC regulations |
| National regulations : (IMDG, IATA, ADR/RID) | The product is not covered by international regulations on the transport of dangerous goods. |

14.2. UN Classification

| | |
|---|--|
| UN number : | Not applicable. |
| UN proper shipping name : | Not applicable. |
| Transport hazard class(es) : | Not applicable. |
| Packing group : | Not applicable. |
| Environmental hazards : | (Environmentally hazardous substance/ marine pollutant) Not applicable |
| Special precautions for user : | Not applicable. |
| Transport in bulk according to AnnexII of MARPOL 73/78 and the IBC Code : | Not applicable |

SECTION 15. Regulatory information15.1. Domestic regulations/legislations

| | |
|---|-----------------|
| OCCUPATIONAL SAFETY AND HEALTH ACT : | Not applicable. |
| CHEMICALS CONTROL ACT : | Not applicable. |
| ACT ON THE SAFETY CONTROL OF HAZARDOUS SUBSTANCES : | Not applicable. |
| WASTES CONTROL ACT : | Not applicable. |

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15.2. Other regulations/legislations

| | |
|---|--|
| EU legislation : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). |
| Authorisations (Title VII Regulation 1907/2006) : | No specific authorisations are known for this product. |
| Restrictions (Title VIII Regulation 1907/2006) : | No specific restrictions on use are known for this product. |

SECTION 16. Other information

Preparation date(DD/MM/YYYY) : 11/ 08/ 2014
Revision date(DD/MM/YYYY) : 01/10/2021

Notice to reader :
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