

DS-CERAMIDE Y3S



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 Y3S
Common chemical name : N-Stearoyl-phytosphingosine
Synonyms : N-Octadecanoyl-phytosphingosine
(2S, 3S, 4R) - 2 - Stearoylamido - 1, 3, 4 - octadecanetriol
INCI Name : CERAMIDE NP (CERAMIDE 3)
Reach registration number : 01-2120766288-41-0001
CAS number : 100403-19-8 / 34354-88-6
EC number : 309-560-3 / 812-962-6

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-Stearoyl-phytosphingosine (INCI : CERAMIDE NP(CERAMIDE 3))	100403-19-8 / 34354-88-6	309-560-3 / 812-962-6	Registered / 01-2120766288-41-0001	min. 90%
*Synonyms : (2S, 3S, 4R) - 2 - Stearoylamido - 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 (NO_x).**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 :**

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 :	Crystalline solid
Color :	White to off-white
Odor :	Characteristic
Melting point :	126°C
Initial boiling point/ range :	718°C @ 1 kPa
Flash point :	254°C CC (Closed cup).
Flammability (solid, gas) :	The product is not flammable.
Vapour pressure :	9.65E-017 Pa @ < 25°C
Relative density :	1.014 g/cm ³ @ 20°C
Solubility(ies) :	1.0E-11 g/l water @ 25°C
Partition coefficient :	log Pow: 12.01
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 :	40.9 µm (D50)
Molecular weight :	584.2

SECTION 10. Stability and reactivity

10.1. Reactivity

Reactivity :	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability :	Stable at normal ambient temperatures and when used as recommended. Stable at normal ambient temperatures for 2 years
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions :	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid :	No specific requirements are anticipated under normal conditions of use.
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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.
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10.6. Hazardous decomposition products

Hazardous decomposition product :	Not known.
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SECTION 11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral :	LD ₅₀ 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.

SECTION 12. Ecological Information

12.1. 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: 12.01

12.4. Mobility in soil

Adsorption/desorption coefficient :	Not available.
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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.
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12.6. Other adverse effects

	Not applicable.
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SECTION 13. Disposal considerations

13.1. 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 information

14.1. 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 information

15.1. 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.

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).

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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

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