

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Version 1

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GENERIC MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	CHS(Cholesteryl Hemisuccinate Tris Salt)
Product Catalog Number:	CHS01, CHS02, CHS03
CAS Number:	102601-49-0
Company:	Distolife Shanghai Co., Ltd. No. 430 Miaoqiao Road, Pudong New Area, Shanghai, China, 201315 Tel/Fax: +86 2160142788
REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.
Emergency Phone:	+86 2160142788 (CN)
Identified uses:	Laboratory chemicals, Manufacture of substances

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
2.2 Label elements	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
2.3 Other hazards	none

3. COMPOSITION/DATA ON COMPONENTS

Synonyms	5-Cholesten-3 β -ol 3-hemisuccinate Cholesteryl hydrogen succinate 3 β -Hydroxy-5-cholestene 3-hemisuccinate
Formula	C ₃₁ H ₅₀ O ₄ · C ₄ H ₁₁ NO ₃
Molecular weight	607.86 g/mol
CAS-No.	102601-49-0
No components need to be disclosed according to the applicable regulations.	

4. FIRST AID MEASURES

If inhaled	After inhalation: fresh air.
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
In case of eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed	After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. FIRE FIGHTING MEASURES

Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Nitrogen oxides (NOx)
Advice for firefighters	In the event of fire, wear self-contained breathing apparatus.
Further information	Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
Reference to other sections	For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling	For precautions see section 2.2.
Storage conditions	Tightly closed. Dry.
Storage stability Recommended storage temperature	-20 °C
Storage class	Storage class (TRGS 510): 11: Combustible Solids
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredients with workplace control parameters	
Personal protective equipment	
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection	This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves
Respiratory protection	Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Recommended Filter type	Filter type P1 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
Control of environmental exposure	Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	solid
Color	No data available
Odor	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Water solubility	No data available
Partition coefficient n-octanol / water	log Pow: 7.812
Vapor pressure	No data available
Density	No data available
Relative density	No data available
Relative vapour density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other safety information	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
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Chemical stability	The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of hazardous reactions	No data available
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Oral	No data available
Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Endocrine disrupting properties	No data available
Other adverse effects	No data available

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods	No data available
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14. TRANSPORT INFORMATION

UN number	
ADR/RID:	Not Applicable
IMDG:	Not Applicable
IATA:	Not Applicable

UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	
ADR/RID:	Not Applicable
IMDG:	Not Applicable
IATA:	Not Applicable
Packaging group	
ADR/RID:	Not Applicable
IMDG:	Not Applicable
IATA:	Not Applicable
Environmental hazards	
ADR/RID:	no
IMDG:	no
IATA:	no
Special precautions for user	No data available
Further information	Not classified as dangerous in the meaning of transport regulations.
Maritime transport in bulk according to IMO instruments	Not applicable for product as supplied.

15. REGULATIONS

Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.
International Chemical Weapons Convention(CWC) Schedules of Toxic Chemicals and Precursors	Not Applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	Not Applicable
REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59)	Not Applicable
Listed substance / Sunset Date Regulation (EU) No 2024/590 on substances that deplete the ozone layer	Not Applicable
Regulation (EC) No 850/2004 on persistent organic pollutants (recast)	Not Applicable

REACH - List of substances subject to authorization (Annex XIV)	Not Applicable
TSCA	This product is not listed on the TSCA inventory
SARA 302 Components	Not applicable
SARA 313 Components	Not applicable
SARA 311 / 312 Hazards	Not applicable
Chemical safety assessment	For this product a chemical safety assessment was not carried out

16. OTHER INFORMATION

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