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:	CHAPS
Product Catalog Number:	CHA01/CHA02/CHA03
CAS Number:	75621-03-3
Company:	Distolife Shanghai Co., Ltd. No. 430 Miaoqiao Road, Pudong New Area, Shanghai, China, 201315 E-mail: info@distolife.com Telephone: +86 21 6014 2788 Fax: +86 21 6014 2788
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 registration.
Emergency Phone:	Emergency telephone (office hours): +86 21 6014 2788 (09:00–18:00 CST, Monday–Friday)
Identified uses:	Laboratory chemicals, manufacture of substances

2. HAZARDS IDENTIFICATION

Emergency Overview	Warning! Causes skin irritation, serious eye irritation and respiratory tract irritation.
Classification of the substance or mixture	
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)	Skin corrosion/irritation (Category 2), H315 Serious eye damage/eye irritation (Category 2A), H319 Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3), H335
GHS label elements, including precautionary statements	
Pictogram	
Signal word	Warning
Hazard statement(s)	

H315	Causes skin irritation.
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Supplementary statement(s)	Not Applicable
Precautionary statement(s)	
Prevention	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not rub eyes
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P319	Get medical help if you feel unwell
P321	Specific treatment (see first aid instructions on this label)
P332+P317	If skin irritation occurs: Get medical help
P337+P317	If eye irritation persists: Get medical help
P362+P364	Take off contaminated clothing and wash it before reuse
Storage	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
Disposal	
P501	Dispose of contents/container in accordance with local regulations.

3. COMPOSITION/DATA ON COMPONENTS

Formula:	$C_{32}H_{58}N_2O_7S$
Molecular Weight :	614.88 g/mol

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

After Inhalation:	If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration.
After skin contact:	Flush with copious amounts of water; remove contaminated clothing and shoes. Seek medical assistance.
After eye contact:	Check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers;call a physician.
After swallowing:	If swallowed, wash out mouth with copious amounts of water; call a physician
Most important symptoms and effects, both acute and delayed:	The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. FIRE FIGHTING MEASURES

Conditions of flammability:	Not flammable or combustible.
Suitable extinguishing media:	Carbon dioxide, alcohol resistant foam or dry chemical powder., Use water to extinguish fire.
Unsuitable fire extinguishing media	No known unsuitable media.
Special protective equipment for firefighters:	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous combustion products:	Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.
Advice for firefighters	Wear self contained breathing apparatus for fire fighting if necessary. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Immediately evacuate personnel to safe areas. Remove undamaged containers from fire area if it is safe to do so.
Further information	no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental precautions:	Do not let product enter drains. Prevent further leakage or spillage if safe to do so.
Methods and materials for containment and cleaning up:	Absorb the spilled material with an inert absorbent (e.g. sand, silica gel, rag, vermiculite) before transferring into an airtight container. Remove all sources of ignition. Dispose of appropriately according to local regulations.
Reference to other sections	For personal protection see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling:	Wear appropriate personal protective equipment. Use only under a chemical fume hood. Keep away from heat/sparks/open flame/hot surfaces. Take measures to prevent the build-up of electrostatic charge. Ensure adequate exhaust ventilation, especially if dust, aerosol or fumes will be generated. Avoid contact with skin, eyes and clothing.
Conditions for safe storage:	Recommended storage temperature: Powder:-20 ℃ for 3 years, 4 ℃ for 2 years; In solvent:-80 ℃ for 6 months, -20 ℃ for 1 month. Powder may be shipped at ambient temperature; solvent material is recommended for cold-chain transport.
Specific end use(s)	No specific end uses are advised. The products supplied are for research purposes only.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment as follows:	Contains no substances with occupational exposure limit values.
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and

	components tested and approved under appropriate governmentstandards such as NIOSH (US) or CEN (EU).
Hand protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures:	General industrial hygiene practice.
Control of environmental exposure	Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties	
Appearance	Form: solid, white powder
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	Soluble in water
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other safety information	No data available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.

Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Heat, sparks, open flames, sources of ignition. Exposure to moisture.
Materials to avoid:	Strong acids/alkalis, strong oxidising/reducing agents.
Hazardous decomposition products	Under fire conditions, may decompose and emit toxic fumes.
Other decomposition products	no data available

11. TOXICOLOGICAL INFORMATION

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Acute toxicity	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
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	RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.|GHS-classification for this substance is self-classification based on publicly available literature; full-set in-vivo toxicology tests have not been performed on this substance.

12. ECOLOGICAL INFORMATION

General notes:	No data available.
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
Other adverse effects	No data available

13. DISPOSAL CONSIDERATION

General notes:	Dispose of in accordance with prevailing country, federal, state and local regulations
Waste treatment methods	No data available

14. TRANSPORT INFORMATION

UN number	ADR/RID: - IMDG: - IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: - IMDG: - IATA: -
Packaging group	ADR/RID: - IMDG: - IATA: -
Environmental hazards	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user	No data available

15. REGULATIONS

SARA 302 Components:	Not applicable
SARA 313 Components:	Not applicable
SARA 311/312 Hazards:	Acute Health Hazard
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.	
Safety, health and environmental regulations/legislation specific for the substance or mixture	No data available
TSCA	This product is not listed on the TSCA inventory
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	Not applicable

REACH - List of substances subject to authorisation (Annex XIV)	Not applicable
Seveso Ⅲ: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	Not applicable
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. OTHER INFORMATION

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