



Material Safety Data Sheet

CHEMSTAB LS-770

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name : Bis (2,2,6,6-tetramethyl-4-PiperidinyI) sebacate
CAS number : 52829-07-9
Company name : UV Chem-Keys Co., Ltd
RM9-G, F/9, First Trade Tower, 985# Dongfang RD, Shanghai, China
Zip Code: 200122
Tel: 86 21 58785816
Fax: 86 21 58786585

2. Health Hazards Data

EC-Number : 258-207-9
CAS Number : 52829-07-9
Product Name : Bis (2,2,6,6-tetramethyl-4-PiperidinyI) sebacate
Content : 100 %
Symbol(s) :
R-Phrase(s) : R52/53

3. HAZARDS IDENTIFICATION

Irritating to eyes.

Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES (ACTION)

Skin contact : Wash off with soap and plenty of water. Do not use organic solvents
Eye contact : Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention
Ingestion : Immediately give plenty (> 500 ml) of water (if possible charcoal slurry). In case of spontaneous vomiting be sure that vomitus can freely drain due to danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Call a physician.
Inhalation : Immediately give plenty (> 500 ml) of water (if possible charcoal slurry). In case of spontaneous vomiting be sure that vomitus can freely drain due to danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing media : Water spray, Carbon dioxide (CO₂), Foam, Dry powder
Extinguishing media which must not be used for safety : High volume water jet



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reasons

- Exposure hazards** : Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.
- Special protective equipment for firefighters** : Wear full protective clothing. Wear self-contained breathing apparatus.
- Hazardous decomposition products** : Oxides of carbon; Oxides of nitrogen (NOx); Toxic gases/vapours

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Do not breathe vapours/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.
- Environmental precautions** : Do not flush into surface water, sanitary sewer or ground water system.
- Methods for cleaning up** : Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labelled. Avoid dust formation.

7. HANDLING AND STORAGE

- Handling** : Irritant. Dangerous for the environment. Handle and open container with care. Avoid dust formation and ignition sources.
Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.
- Storage** : Keep away from food and drink. Store in the original container securely closed.
Danger! Explosion risk. Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions. Empty only into earthed containers. If container is larger than 2000 liter in volume, or when flammable solvents are present inert container or use a system otherwise designed to prevent or contain an explosion -- seek expert advice.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure limit(s)** : *UV Chem-keys Co.,Ltd internal exposure limit (8 hour time weighted average)*
1 mg/m³
- Technical** : Exposure limit(s) should be monitored using suitable analytical



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measures/Precautions	equipments.
Respiratory protection	: Effective dust mask
Hand protection	: Protective gloves
Eye protection	: Suitable goggles or face protection
Skin and body protection	: Working clothes , Closed footwear

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Granules / crystalline	
Colour	: white to off-white	
Odour	: odourless	
Melting/freezing° C	: 81 - 85 °C	
Boiling point/range° C	: not applicable	
Density 20 °C	: 1.05 g/cm ³	
Flash point	: > 150 °C DIN 51584	
Ignition Temperature	: 330 °C	BAM
Oxidising properties	: not tested	
Self-ignition temperature	: not tested	
Water solubility 20 °C	: < 1 mg/l	
Vapour pressure 20 °C	: 1.3E-8 Pa	
Partition coefficient	: Log Pow 20 – 25 °C 0.35	
pH-value	: 1 % suspension in water 20 – 25 °C 9.67	
Explosive properties	: not tested	

10. STABILITY AND REACTIVITY

Stability Indicator	: > 350 °C
Conditions to avoid	: Static discharges.
Materials to avoid	: Strong acids, strong bases and strong oxidising agents
Haz. decomp. products	: Oxides of carbon, Oxides of nitrogen (NOx), Toxic gases/vapours

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 > 2000 mg/kg
Rat	
Acute dermal	: not irritant
irritation/corrosio	



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Rabbit
Acute eye irritation/corrosion : not irritant
Acute skin sensitisation : not sensitising
Guinea pig

12. ECOLOGICAL INFORMATION

Acute toxicity to fish : LC50 13 mg/l
Zebra fish (Brachydanio rerio) 96 h

Acute toxicity to daphnia : EC50 17 mg/l
Daphnia magna 24 h

Acute toxicity to bacteria : IC50 > 100 mg/l
Sewage sludge 3 h

Acute toxicity to algae : EC50 1.9 mg/l
Scenedesmus sp. 72 h

Biodegradability : Not biodegradable **29 %** OECD 301 E
28 d

Biodegradability : 10 - 24 % OECD 301 B / EEC C 4C

Ecotoxic effects : Do not discharge product uncontrolled into the environment.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation

Contaminated packaging : Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation

14. Transport information

Flash point : > 150 °C

ADR/RID Class : 9 **Cipher** : 12C

UN No. : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Additional Information : BIS-(TETRAMETHYL-4-PIPERIDYL)SEBACATE

IMO Class : Free

ICAO Class : 9 **Packaging group** : III

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.



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Additional Information : BIS-(TETRAMETHYL-4-PIPERIDYL)SEBACATE

15. REGULATORY INFORMATION

EC-Number : 258-207-9

Contains : bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

Classification : Self-classification

Symbol(s) : Xi Irritant N Dangerous for the environment

R-Phrase(s) : R36 Irritating to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-Phrase(s) : S22 Do not breathe dust.

S25 Avoid contact with eyes.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Contains Polymeric sterically hindered amine derivative

16. Other information

Legal disclaimer : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.