



HPL Additives Limited

MATERIAL SAFETY DATA SHEET

HILITE[®]-77/ HILITE[®]-77G

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

Product name	:	Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate or Decanedioic acid bis(2,2,6,6-tetramethyl-4-piperidinyl)ester
Product code	:	HILITE [®] -77/ HILITE [®] -77G
Product type	:	Sterically hindered amine ester
Supplier's name and address	:	HPL Additives Limited 803, Vishal Bhawan 95, Nehru Place New Delhi - 110019 (INDIA)
Contact Numbers	:	Telephone +91- 11- 2643 1522 +91- 11- 2642 1570 Fax +91- 11- 2647 4350 +91- 11- 2646 0981 e-mail hpl@hpl-group.com
Information	:	Product Compliance and Regulatory Affairs
Emergency Phone Number (24h)	:	+91-9910486231

2 HAZARDS IDENTIFICATION

	:	Irritating to eyes.
	:	Toxic to aquatic organisms, may cause long term adverse effect in the aquatic environment.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	: Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate
CAS Registry number	: 52829-07-9
EINECS number	: 258-207-9
Risk Symbol	: Xi, N
R-Phrases	: R36, R51/53

4 FIRST AID MEASURES

Skin contact	: In case of skin contact, wash with plenty of water and soap. Organic solvents not to be used.
Eye contact	: In case of eye contact, immediately flush eye with plenty of water for at least 15 minutes. Contact physician.
Inhalation	: If inhaled, remove to fresh air, seek medical advice.
Ingestion	: If product is swallowed, immediately give 2 glasses of water. Obtain medical help immediately.

5 FIRE FIGHTING MEASURES

Specific hazards	: Not classified as flammable but will burn.
Suitable Extinguishing Media	: Foam, dry chemical powder, carbon dioxide, sand or earth may be used.
Unsuitable Extinguishing media	: Water with high volume jet.
Protective equipment	: Full protective clothing and self contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	: Avoid raising a dust cloud. Avoid contact with eyes, skin and clothing. Do not breathe dust or vapour.
Environmental precautions	: Prevent contamination of soil, drain and surface water.
Methods for cleaning up	: Take up mechanically and store in suitable closed container for disposal. Avoid formation of dust.

7 HANDLING AND STORAGE

Handling	: Use appropriate personal protection equipment. Avoid eye, skin and clothing contact. Avoid breathing dust. Avoid repeated and prolonged contact. Avoid creating a dusting situation. Keep away from heat, sparks and flame. Do not breathe dust or fumes or vapors from heated product.
Handling Temperature	: Ambient (max. upto 40°C)
Storage	: Store in a cool, dry, well-ventilated area away from incompatible materials. Store away from heat, sparks and flame. Keep container tightly closed.
Storage Temperature	: Ambient (max. upto 40°C).

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures / precautions	: No special precautions required.
Respiratory protection	: If risk of inhalation, wear respiratory mask.
Hand protection	: Wear protective gloves.
Eyes protection	: Wear suitable goggles or face protection.
Skin and body protection	: Wear overall and closed footwear.

9 PHYSICAL AND TECHNICAL DATA

Physical state	: White to off-white crystalline powder/granules
Odor	: Odorless
Melting point (°C)	: 80-86
Boiling point	: Not analyzed
Density (Water=1)	: 1.05
Flash point (°C)	: >150
Ignition (°C)	: 320
pH Value(1% suspension)	: 9-10
Viscosity	: Not available

10 STABILITY AND REACTIVITY

Stability	:	Stable under normal conditions of handling and use.
Conditions to avoid	:	High Temperatures.
Hazardous decomposition Products	:	Thermal decomposition may produce the oxides of nitrogen, carbon monoxide and carbon dioxide.

11 TOXICOLOGICAL INFORMATION

LD-50 oral toxicity, in rat	:	>2,000 mg/Kg
Dermal Toxicity, in rat	:	>2,000 mg/Kg
Skin irritation tested	:	Not irritant in rabbit
Eye irritation tested	:	Irritant in rabbit
Skin sensitization	:	Not sensitizing in guinea pig

12 ECOLOGICAL INFORMATION

Acute Toxicity		
LC-50, Zabra Fish (96 hrs)	:	13 mg/l
EC-50, Daphnia magna (24 hrs)	:	17 mg/l
IC-50, Bacteria (3 hrs)	:	>100 mg/l
EC-50, Algae (72 hrs)	:	1.9 mg/l
Biodegradability	:	Not readily biodegradable
Prevent contamination of soil, drain and surface water.		


13 DISPOSAL CONSIDERATIONS

Waste disposal	:	Dispose at an approved chemical disposal place.
Product disposal	:	Dispose at an approved chemical disposal place.
Container disposal	:	Contaminated container should be disposed off. Accordingly uncontaminated container should be thoroughly cleaned with water or solvent and then can be recycled.

14 TRANSPORTATION INFORMATION

RID / ADR	: Class: 9 UN No. : 3077 Packaging group: III Proper Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Solid, N.O.S. Additional Information: (BIS-(TETRAMETHYL-4-PIPERIDYL) SEBACATE)
IMO	: Class: 9 UN No. : 3077 Packaging group: III Proper Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Solid, N.O.S. Additional Information: (BIS-(TETRAMETHYL-4 PIPERIDYL) SEBACATE)
ICAO	: Class: 9 UN No. : 3077 Packaging group: III Proper Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Solid, N.O.S. Additional Information: (BIS-(TETRAMETHYL-4-PIPERIDYL) SEBACATE)

15 REGULATORY INFORMATION

EEC No.	: 258-207-9
EEC Symbol	: 
	IRRITANT
Contains	: Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate
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.

16 OTHER INFORMATION

Uses	:	UV-Light Stabiliser
History	:	Edition no. 4
		First issue 1 st May' 2006
		Second issue 31 st May' 2007
		Third issue 1 st May' 2008
		Forth issue 1 st Sept' 2008

This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organization responsible for advising on safety matters.

The information given in this document is only a recommendation believed to be reliable and is given in good faith but without warranty. Our advice does not release users from the obligation of checking its validity and to test our products as to their suitability for the intended use. Specified properties mentioned in this document are based on our historical production performance and these properties or the whole document is subject to change without any prior notice at our sole discretion. We are under no obligation to call back earlier issued documents.