



# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY NAME

**Product name:** SUNSORB LS-123

**Use:** Stabilizer

**Manufacturer/Supplier:** Sin Hun Chemical Co., Ltd.

No.2, 24th Rd., Taichung Industrial Park, Taichung City,  
Taiwan, R.O.C.

**Emergency Phone:** 886-4-2359-2565

**Fax:** 886-4-2359-2232

## 2. HAZARDS IDENTIFICATION

May cause long-term adverse effects in the aquatic environment. Releases to the environment are to be avoided.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

**Chemical name:** A mixture of: bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decanedioate 1,8-bis[(2,2,6,6-tetramethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decan-1,10-dioyl)piperidin-1-yl)oxy]octane

**CAS NO:** 129757-67-1

**Molecular weight :** 737

**Synonym:** Tinuvin 123

## 4. FIRST AID MEASURES

**Inhalation:** Move affected person to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. If you feel unwell or if exposure prolonged, get immediate medical attention.

**Skin contact:** Wash with plenty of water and soap. Do not use organic solvents.

**Eye contact:** Rinse immediately with water for at least 15 minutes. In case of eye irritation, get medical attention.

**Ingestion:** In case of spontaneous vomiting be sure that vomitus can freely drain because of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in case of unconsciousness or convulsions.

## 5. FIRE FIGHTING AND MEASURES

**Extinguishing media:** Water mist, carbon dioxide, foam, dry powder.

**Combustion products:** Burning may produce toxic combustion products.

**Protective equipment for firefighters:** Use full protective clothing for chemicals and a self-contained breathing apparatus.



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## 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment, including appropriate respirator protective to ventilate contaminated area. Contain spill if possible.

Pick up with inert absorbent material (e.g. sand, silica gel, sawdust etc.). Should not be released into the environment. Avoid contact with skin, eyes and clothing.

## 7. HANDLING AND STORAGE

**Handling precautions:** In accordance with good industrial practices, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Do not inhale, taste or swallow. Use only with adequate ventilation.

**Shipping and storing precautions:** Keep container tightly closed when not in use and during transport.

## 8. EXPOSURE CONTROLS AND PROTECTION

**Engineering controls:** Work in well ventilated areas. Do not breathe vapors or mist.

**Respiratory protection:** Wear a suitable filter mask when exposed to dust.

**Hand protection:** Wear protective gloves.

**Eye protection:** Wear tightly fitting safety goggles or face protection.

**Body protection:** Wear chemical resistant gloves and closed footwear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, slightly yellow liquid.

**Odour:** Mild.

**Flash point:** 95~125°C DIN 51758

**Self-ignition temperature:** 280°C

**Melting point:** < -30°C

**Boiling point:** 367°C

**Solubility in water:** < 6mg/l

**Specific Gravity:** 0.97g/cm<sup>3</sup> at 20°C

**Decomposition temperature:** 150°C

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Conditions to avoid:** Static discharges.

**Materials to avoid:** Strong oxidizing agents, strong bases and strong acids.

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## 11. TOXICOLOGICAL INFORMATION

**LD50 acute oral toxicity in rats:** > 2000mg/kg

**Skin irritation tested on rabbits:** No irritation.

**Eye irritation tested on rabbits:** No irritation.

**Skin sensitization on guinea pigs:** Negative.

## 12. ECOLOGICAL INFORMATION

**LD50 Fish:** > 58mg/l

**EC50 Daphnia:** > 100mg/l

**IC50 Bacteria:** > 100mg/l

**EC50 Algae:** > 2.0mg/l

**Biodegradation:** Not biodegradable.

Do not discharge product uncontrolled into the environment.

## 13. DISPOSAL CONSIDERATIONS

Incineration or landfill in accordance with local regulation.

Contaminated packaging material should be disposed of identically to the product itself.

Non contaminated packaging material should be treated as household waste or as recycling material.

## 14. TRANSPORT INFORMATION

**RID/ADR:** Not classified as a dangerous good under transport regulations.

**IATA:** Not classified as a dangerous good under transport regulations.

**IMDG-code:** Not classified as a dangerous good under transport regulations.

## 15. REGULATORY INFORMATION

**EEC-symbol:** Xi=Irritant.

**R53:** May cause long-term adverse effects in the aquatic environment.

**S23:** Do not breathe vapour.

**S61:** Avoid release to the environment. Refer to special instructions/safety data sheets.

## 16. OTHER INFORMATION

**Shelf life:** 2 years minimum in sealed containers protect from light and air.

**Suggested uses:** A light stabilizer for UV systems.

The information and recommendations contained herein are based upon data believe to be correct. However, no guaranty or warranty of any kind expressed or implied is made with respect to the information contained here.