



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY NAME

Product name: SUNSORB LS-4050

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

Not available.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical name: N,N'-bisformyl-N,N'-bis-(2,2,6,6-tetramethyl-4-piperidiny)-
hexamethylenediamine

CAS NO: 124172-53-8

Synonym: Uvinul 4050 H

4. FIRST AID MEASURES

Inhalation: Move affected person to fresh air. In case of irritation of respiratory system or mucous membranes, or if you feel unwell or in case of prolonged exposure, get 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: Affected person should drink 500~800ml water, if possible with suspended activated carbon for medical use. In case of spontaneous vomiting by 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

Flammable limits: Not applicable.

Decomposition temp: > 300°C

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

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



MATERIAL SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES

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

Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

7. HANDLING AND STORAGE

Handling precautions: In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Avoid continuous or repetitive breathing of dust.

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

8. EXPOSURE CONTROLS AND PROTECTION

Technical protective measures: No special measure required.

Exposure control limits: None.

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

Hand protection: Wear suitable gloves.

Eye protection: Wear suitable goggles or face protection.

Skin protection: Wear overall and closed fitwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline powder.

Melting point: 155~160°C

Boiling point: > 300°C

Odour: None.

Flash point: > 150°C

Solubility in water: 0.5%

Ignition: 330°C BAM

Vapor pressure: Approximately 10^{-8} Pa at 20°C

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Static discharges.

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



MATERIAL SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

LD50 acute oral toxicity in rats: > 2200mg/kg

Skin irritation tested on rabbits: Non-irritant.

Eye irritation tested on rabbits: Moderate eye irritant.

Skin sensitization on guinea pigs: Negative.

12. ECOLOGICAL INFORMATION

Not available.

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: Free.

IATA: Free.

IMDG-code: Free.

Flash point: > 150°C DIN 51584

15. REGULATORY INFORMATION

Contains: N,N'-bisformyl-N,N'-bis-(2,2,6,6-tetramethyl-4-piperidiny)-hexamethylenediamine

Xi: Irritant.

R36: Irritating the eyes.

R52/53: Harmful to aquatic organisms, may cause longterm adverse effects in the aquatic environment.

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.

Material Safety Data Sheet