



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY NAME

Product name: SUNSORB 234

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: 2-[2-hydroxy-3,5-di(1,1-dimethylbenzyl)phenyl]2H-benzotriazole

CAS NO: 70321-86-7

Synonym: Tinuvin 234, Tinuvin 900

4. FIRST AID MEASURES

Inhalation: Remove to fresh air and summon medical help if respiratory irritation develops or if breathing becomes difficult.

Skin contact: Wipe away excess material with dry towel and then wash affected areas with plenty of water for several minutes. Get medical attention immediately if irritation occurs.

Eye contact: Immediately wash affected eyes for several minutes under running water with eyelids held open. Get medical attention immediately if irritation occurs.

Ingestion: Wash out mouth with water and then drink plenty of water, and summon mouth to an unconscious or convulsing person.

5. FIRE FIGHTING AND MEASURES

Flash point: > 150°C (Markusson)

Ignition: 400°C BAM

Decomposition temp: > 350°C

Extinguishing media: Water spray, carbon dioxide, foam, dry chemical.

Fire fighting procedures-special: Use 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.

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 preceautions: Keep container tightly closed when not in use and during transport.

8. EXPOSURE CONTROLS AND PROTECTION

Respiratory protection: Suitable dust mask is recommended where dust arises from use.

Eye protection: Safety goggle is recommended.

Skin protection: Glove and lab cost is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly yellowish crystal powder.

Melting point: 137~141°C

Boiling point: Not available.

Odour: None.

Flash point: > 110°C

Solubility in water: Insoluble.

Specific gravity: 1.22g/cm³

Vapor pressure: Does not apply.

10. STABILITY AND REACTIVITY

Stability: Stable.

Incompatibilities: Not known.

Hazardous Polymerization: Will not occur.

Hazardous decomposition products: Thermal decomposition and burning will produce toxic fume, carbon and carbon dioxide.

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11. TOXICOLOGICAL INFORMATION

Acute effects: May be harmful by inhalation, or skin absorption.

Material may be irritating to mucous membranes and upper respiratory.

LD50 acute oral toxicity in rats: > 7750mg/kg

Skin irritation tested on rabbits: Non-irritant.

Eye irritation tested on rabbits: Non-irritant.

12. ECOLOGICAL INFORMATION

LD50 Fish: > 67mg/L

EC50 Daphnia: > 91 mg/L

IC50 Bacteria: > 100 mg/L

EC50 Algae: > 100mg/L

Biodegradability: Not biodegradable

13. DISPOSAL CONSIDERATIONS

Waste disposal method: Incinerate in a chemical incinerator equipped with an afterburner and scrubber.

Follow all federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT proper shipping name: Not regulated as a hazardous material by the U.S. Dept.of Transportation (DOT) 49 CFR 172.101 Hazardous Material Table.

DOT class: None.

DOT number: None.

HMIS Rating: Health: 1 Flammability: 1
Reactivity: 0 Protective equipment: B

NFPA Rating: Health: 1 Flammability: 1
Reactivity: 0 Special: -

15. REGULATORY INFORMATION

Sursorb 234 is listed on the follow inventories:

Australia: AICS **Canada:** DSL **China:** ENCS **Europe:** EINECS

Japan: MITI **Korea:** ECL **Philippines:** PICCS **USA:** TSCA

RCRA status: Not a hazardous waste under RCRA (40 CFR 261).

CERCLA status: Not listed.

SARA/Title III-Toxic Chemicals List: This product does not contain a toxic chemical for routine annual toxic chemical release reporting under sec.313 (40 CFR 372).

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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.