

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY NAME

Product name: Light stabilizer-622

Use: Stabilizer

Manufacturer/Supplier: SHANGHAI DEBORN CO., LTD.

ADD: RM604,NO,233,RUSHAN ROAD,PUDONG, SHANGHAI, CHINA

Tel: 86-021-68962123

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2. HAZARDS IDENTIFICATION

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

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical name: Butanedioic acid, dimethylester, polymer with 4-hydroxy-2,2,6,6,-tetramethyl-1-piperidine ethanol

CAS NO: 65447-77-0

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

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.

Hazardous combustion products: Burning may produce toxic combustion products.

6. ACCIDENTAL RELEASE MEASURES

Accidental measures: Shut off all sources of ignition.

Personal precautions: Do not breathe vapours or dust. 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 labeled. Avoid dust formation.

7. HANDLING AND STORAGE

Handling: 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. Keep in cool, dry place. Close containers immediately after use. Avoid creating dusty conditions.

8. EXPOSURE CONTROLS AND PROTECTION

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

Hand protection: Wear protective gloves.

Eye protection: Wear suitable goggles or face protection.

Skin protection: Wear overall and closed fitwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to slightly yellow powder

Melting/freezing point: 55~70°C

Boiling point: Not applicable

Density: Ca 1.22 g/cm

Odour: None.

Flash point: > 250°C DIN 51376

Solubility in water: Ca 1.6mg/l at 20°C

Ignition Temperature: 370°C BAM

Vapor pressure: 2.5 E-6 Pa at 20°C

10. STABILITY AND REACTIVITY

Decomposition Temperature: > 350°C

Stability: Stable.

Conditions to avoid: Static discharges.

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

11. TOXICOLOGICAL INFORMATION

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

Skin irritation tested on rabbits: Non-irritant.

Eye irritation tested on rabbits: Non-irritant.

Skin sensitization on guinea pigs: Not sensitising.

12. ECOLOGICAL INFORMATION

LC50 Fish: > 100mg/l

EC50 Daphnia: 25mg/l

IC50 Bacteria: > 100mg/l

EC50 Algae: > 100mg/l

Biodegradation: Not readily biodegradable.

Do not discharge product uncontrolled into the environment.

13. DISPOSAL CONSIDERATIONS

Measures of Waste Disposal: Waste from residues or unused products should be disposed by incineration or by other modes of disposal in compliance with local legislation.

Notice of Waste Disposal: 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

RID/ADR: Free.

IATA: Free.

IMDG-code: Free.

Flash point: > 250°C

15. REGULATORY INFORMATION

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S 61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

Contains: Polymeric sterically hindered amine derivative.

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.

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