

LONGBRITE 127

1. Identification of the substance/Preparation and Company

1.1 Commercial Product Name: LONGBRITE 127

1.2 Company undertaking identification

Manufacturer: **LONGCHEM C&S International Corp.**

Identification of the company:

**No.46, Dou-Kung 2 Rd, Dou-Liu City,
Yun-Lin Hsien, 64069 Taiwan, R.O.C.**

Telephone number: 886-5-557-4403

2. Hazardous Identification

Hazard symbol: warning

Classification system

GHS ratings

| | |
|----------------------------|---|
| Acute toxicity(oral) | 5 |
| Toxic to aquatic organisms | 4 |

3. Composition/Information on Ingredient

3.1 Chemical characterization : 4,4'-bis(2-methoxystyryl)-1,1'-biphenyl

3.2 CAS No. : 40470-68-6

4. First-Aid Measures

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

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

4.3 Inhalation: Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, seek medical attention. In case of prolonged exposure, seek medical attention.

4.4 Ingestion: Immediately give plenty (>500ml) of water (if possible charcoal slurry). In case of spontaneous vomiting be sure that vomits can freely drain due of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be

restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice.

5. Fire-Fighting Measures

- 5.1 Suitable extinguishing media: Water spray, Carton dioxide (CO₂), Foam, Dry powder.
- 5.2 Extinguishing media which must not be used for safety reasons: High volume water jet
- 5.3 Exposure hazards: Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.

6. Accidental Release Measures

- 6.1 Personal precautions: Do not breathe vapors/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.
- 6.2 Environmental precautions: Do not flush into surface water, sanitary sewer or ground water system.
- 6.3 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

- 7.1 Handling: Avoid dust formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.
- 7.2 Storage: Keep away from food and drink. Store in the original container securely closed.

Protect from heat. Danger! Explosion risk. Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions. Empty only into earthed containers. If container is larger than 2000 liter in volume, or when flammable solvents are present inert container or use a system otherwise designed to prevent or contain an explosion -- seek expert advice.

8. Exposure Control/Personal Protection

- 8.1 Respiratory Protection : In case of exposure , use appropriate NOISH approved

respiratory protective equipment.

8.2 Ventilation : Recommended

8.3 Hand protection : Impermeable gloves to minimize skin contact

8.4 Eye protection : Chemical goggles

8.5 Other protection equipment : Eye wash fountain , safety shower. Wash contaminated clothing before re-use.

9. Physical and Chemical Properties

9.1 Appearance : Slightly green-yellow powder

9.2 Molecular Weight : 418.5 g/mol

9.3 Sense of Smell Valve :—

9.4 pH-value 1 % suspension in water 20 - 25 °C : 6.2

9.5 Melting point : 216-222°C

9.6 Boiling point : —

9.7 Flammability(Solid,Gas) : —

9.8 Decomposition Temperature : —

9.9 Flash point :>150°C

9.10 Autoignition Temperature : —

9.11 Explosion Limits : —

9.12 Specific gravity(20°C) : 1.23 g/cm³

9.13 Vapor pressure (20°C) : approx. 1.3 E-10 Pa

9.14 Vapour Density : —

9.15 Water solubility 20 °C : < 1 mg/l

9.16 Log Kow : —

9.17 λ_{max} (CHCl₃) /K : 360 nm /167.0

10.Stability and Reactivity

10.1 Stability : stable

10.2 Decomposition temperature : > 350 °C

10.3 Conditions to avoid : static discharge

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

11.Toxicological Information

11.1 LD₅₀ (Acute oral toxicity in rats) : > 2000 mg / kg

11.2 Skin irritation tested on rabbits : irritant

11.3 Eye irritation ordination tested on rabbits : irritant

11.4 Skin sensitization on guinea pigs : Not test

12.Ecological Information

- 12.1 Acute toxicity to fish LC_{50} : > 100 mg/l
12.2 Do not discharge product unmonitored into the environment.

13.Disposal Considerations

- 13.1 Waste from residues/unused products: Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.
13.2 Contaminated packaging: 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

Proper Shipping Name: None

- 14.1 ICAO/IATA (air transport): Not regulated and restricted.
Prevent from falling, dropping and damage.
14.2 IMDG (maritime transport): Not regulated and restricted.
14.3 ADR/RID (land transport): Not regulated and restricted.

15.Regulatory Information

Product related hazard information

| | | |
|---------|-------------|--|
| H-CODES | H302 | Harmful if swallowed. |
| P-CODES | P260 | Do not breathe dust. |
| | P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

- 15.1 TSCA Inventory Status: No
15.2 The new classification and labelling system according to CLP regulation (EC) No 1272/2008

16.Others

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.