

LONGSORB 54

1. Identification of the substance/Preparation and Company

1.1 Commercial Product Name: LONGSORB 54

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
Hazard for substances hazardous to the environment	3

3. Composition/Information On Ingredients

3.1 Chemistry name: 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol

3.2 CAS No.: 3147-75-9

4. First-Aid Measures

4.1 After inhalation : Remove victim to fresh air. In case of irritation of respiratory system of mucous membranes , or if you feel unwell or in case of prolonged exposure , get medical attention.

- 4.2 After contact with the skin : Wash with plenty of soap and water. Do not use organic solvents.
- 4.3 After contact with the eyes : Flush eye with plenty of water for 15 minutes. In case of eye irritation get medical attention.
- 4.4 Ingestion : Affected person should drink 500~800 ml water, if possible with suspended activated carbon for medical use. In case of spontaneous vomiting be sure that vomit 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. Get medical attention.

5. Fire-Fighting Measures

- 5.1 Fire-fighting media : water spray , foam , carbon dioxide or dry chemical
- 5.2 Thermal Decomposition : $> 300^{\circ}\text{C}$
- 5.3 Hazardous Thermal Decomposition : May release oxides of carbon and other toxic gases and vapors.
- 5.4 Exposure Hazards : Do not release chemically contaminated water into drains , soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing. Dispose of contaminated water and soil according to local regulations

6. Accidental Release Measures

Collect and remove to disposal container without creating a dust condition. Observe all relevant Federal , State and local laws and regulations. Obey relevant local State and Federal laws and regulations. Do not contaminate any lakes , streams ponds or underground water supply.

7. Handling and Storage

Irritant !Handle with care. Avoid eye and skin contact. Store in tightly closed containers. Ensure good ventilation and local exhaust. Do not eat , drink or smoke at the workplace.

The product is combustible and can form an explosive dust/air mixture. Take precautionary

measure against static discharges, e.g. using proper grounding technique.

8. Exposure Control / Personal Protection

- 8.1 Respiratory Protection : In case of exposure , use appropriate NIOSH 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 : Slight yellowish to white powder
- 9.2 Odor : very mild characteristic odor
- 9.3 Sense of Smell Valve : —
- 9.4 pH value (3g / liter water) : —
- 9.5 Melting Point : 102 ~108 °C
- 9.6 Boiling point : —
- 9.7 Flammability(Solid,Gas) : —
- 9.8 Decomposition Temperature : —
- 9.9 Flash point : 229 °C
- 9.10 Autoignition Temperature : —
- 9.11 Explosion Limits : —
- 9.12 Vapour Pressure : —
- 9.13 Vapour Density : —
- 9.14 Solubility : —
- 9.15 Log Kow : —
- 9.16 Volatility Speed : —
- 9.17 Purity : 98.5% min.

10. Stability and Reactivity

10.1 Stability : stable

10.2 Conditions to avoid : static discharge

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

11. Toxicological Information

11.1 LD₅₀ (Acute oral toxicity in rats : > 2,000 mg / kg

11.2 Skin irritation tested on rabbits : non-irritant

11.3 Eye irritation ordination tested on rabbits : Non-irritant

11.4 Skin sensitization on guinea pigs : Negative

12. Ecological Information

12.1 LD₅₀ (Rabbit) : > 5000 mg/kg

12.2 LC₅₀ (Rat) : > 20 mg/L

Prevent of contamination of soil , drain and surface waters.

13. Disposal Considerations

13.1 Incineration or landfill in accordance with local regulations. Contaminated packaging material should be disposed of ideally to the product itself. No contaminated packaging material should be treated as household waste or as recycling material.

14. Transport Information

14.1 RID / ARD : Not regulated and restricted.

14.2 IATA : Not regulated and restricted.

14.3 IMDG-Code : Not regulated and restricted.

15. Regulatory Information

Product related hazard informations

H-CODES	H302	Harmful if swallowed.
	H412	Harmful to aquatic life with long lasting effects
P-CODES	P270	Do not eat, drink or smoke when using this product.
	P273	Avoid release to the environment.

15.2 National regulations

15.2.1 Not required under EEC regulation

15.2.2 List on Canada DSL inventory

15.2.3 List on USA TSCA inventory

16. Other Information

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.