



江苏丰山集团有限公司

JIANGSU FENGSHAN GROUP CO., LTD.

MATERIAL SAFETY DATA SHEET

1. Chemical Product Identification

Manufactory: JIANGSU FENGSHAN GROUP CO., LTD.

Address: Caomiao Town, Dafeng City, Jiangsu Province, China.

Tel: +86-515-83374837

Fax: +86-515-83372403

Product name: Lufenuron 5%EC

2. Composition / Information On Ingredients

Composition	CAS No.	Content
Lufenuron	103055-07-8	5.0
Other ingredients	Secret	balance

3. Hazards Identification

Human health hazards: Harmful by inhalation or swallowed.

Environmental hazards: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First Aid Measures

Eye: Wash out with plenty of water with the eyelid held wide open for at least 15minutes. Immediately get medical attention.

Skin: Remove contaminated clothing. Wash off with plenty of water and soap. Consult a doctor in the event of any complaints. Wash clothing separately before re-use.

Ingestion: Do not induce vomiting. Wash out mouth with water. Immediately get medical attention.

Inhalation: Remove victim to fresh air. Keep victim warm and at rest. Get medical attention.

5. Fire-Fighting Measures

Flammability : Moderately flammable.

Extinguishing media : Dry chemical extinguisher, foam, carbon dioxide or water spray (do not use direct jet of water).

Specific fire fighting methods: If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with spray water. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.

Special hazards: Combustion products are toxic and/or irritant.



江苏丰山集团有限公司

JIANGSU FENGSHAN GROUP CO., LTD.

Protective clothing: Use self contained breathing apparatus. Wear protective equipment.

6. Accidental Release Measures

Eye Protection: Goggles or face-shield

Hand Protection: Chemical-resistant gloves

Body Protection: Heavy duty cotton or synthetic fabric working clothes (e.g. overalls).

Precautionary measures after work: Wash thoroughly (shower, bathe, and wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

7. Handling and Storage

Handling: Avoid contact with skin, eyes and clothing. Avoid inhalation of fog and vapors. Keep away from sources of ignition. Take precautionary measures against static discharge (transfer operations: check grounding). May form explosive vapor-air mixtures. Do not eat, drink or smoke while working. In addition to the measures usually taken in chemical works like splashproof filling and measuring equipment (including vapour stripping), further personal protection measures may have to be implemented to avoid possible contact with the product.

Storage: Store the product in closed original containers. Protect from light and humidity. Storage depot protected against fire.

8. Personal Protection

Eye Protection: Goggles or face-shield

Hand Protection: Chemical-resistant gloves

Body Protection: Heavy duty cotton or synthetic fabric working clothes (e.g. overalls).

Precautionary measures after work: Wash thoroughly (shower, bathe, wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

9. Physical and Chemical Properties

Form: yellow to brownish liquid.

Color: Clear, yellowish

Odor: Aromatic

Specific Gravity/Density: 0.915 - 0.925

Water Solubility: emulsifies in water

10. Stability and Reactivity

Stability: Stable under standard conditions.



江苏丰山集团有限公司

JIANGSU FENGSAN GROUP CO., LTD.

Hazardous Polymerization: Has not been reported.

Conditions to Avoid: Incompatible materials.

11. Toxicological Information

Acute Toxicity/Irritation Studies (Finished Product)

Ingestion: Oral (LD50 Rat): LD50 (rat) >3,000 mg/kg

Dermal: Dermal (LD50 Rat): LD50 (rat) >4,000 mg/kg

Inhalation: Inhalation (LD50 Rat): LC50 (rat) (4hr) >5.3 mg/l

Skin Irritation: irritant (rabbit)

Eye Irritation: irritant (rabbit)

12. Ecological and Ecotoxicological Information

Birds: LD50 > 3950 mg/kg (mallard duck).

Fish: LC50 = 0.36 mg/l, 96 hours, (rainbow trout).

Daphnia: EC50 = 0.36 mg/l, 48 hours.

Algae: ErC50 >1000 mg/l, 96 hours.

13. Disposal Considerations

Disposal: Product Disposal: Pay attention to protective clothing and measures. Cover up product with absorptive material such as sand, soil, diatomaceous earth, etc. Collect material in specially marked, tightly closing containers. Clean dirty areas with water and detergent. Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.

Container Disposal: Dispose of empty containers in an incinerator approved for chemicals. Damaged containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

14. Transport Information

U.N. Number: 1993

Class: 3

Packing Group: III

Proper shipping name: FLAMMABLE LIQUID N.O.S.



江苏丰山集团有限公司

JIANGSU FENGSHAN GROUP CO., LTD.

15. Regulatory Information

N/A

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.