



# 江苏丰山集团有限公司

## JIANGSU FENGSHAN GROUP CO., LTD.

### MATERIAL SAFETY DATA SHEET

#### 1 Manufacturer/information service:

**MANUFACTORY:** Jiangsu Fengshan Group Co., Ltd.

**ADDRESS:** Caomiao Town, Dafeng City, Jiangsu Province, China.

**Tel:** +86-515-83374837

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**PRODUCT NAME:** Cypermethrin 25g/l EC

#### 2. Composition / Information On Ingredients

COMPOSITION	CAS NO.	CONTENT G/L
Cypermethrin	52315-07-8	25
Other ingredients	(secret)	975

#### 3. Hazards Identification

**EYE CONTACT:** May be mildly irritating to the eyes, excessive tearing may be a result.

**SKIN CONTACT:** The most likely route of entry. May produce skin sensations such a numbing, burning or tingling. These are reversible within 12 hours.

**INGESTION:** Contact a physician if material is ingested

**INHALATION:** Contact a physician if material is inhaled and breathing is difficult.

#### 4. First Aid Measures

**IF INHALED:** Move person to fresh air. If person is not breathing, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** Contains petroleum distillates – vomiting may cause aspiration pneumonia.

#### 5. Fire-Fighting Measures

**FLASH POINT AND METHOD:** >50.0 °C (Pensky-Martens Closed Cup) (>122 ° F)



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**FLAMMABLE LIMITS:** None established

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub> or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

**EXPLOSION HAZARDS:** Moderately combustible. When heated above the flash point, this material releases vapors which, when mixed with air, can burn or be explosive. Heat and fire may result in thermal decomposition and the release of carbon monoxide, carbon dioxide, hydrogen cyanide, chlorine and hydrogen chloride.

**FIRE FIGHTING PROCEDURES:** Isolate fire area. Evacuate downwind. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke, gases or vapors generated. Keep non-essential personnel away from the immediate fire area, and out of any fall-out or run-off areas.

### 6. Accidental Release Measures

**RELEASE NOTES:** Isolate and post spill area. Wear protective clothing and personal protective equipment as prescribed in Section 8, "Exposure Controls/Personal Protection". Keep unprotected persons and animals out of area.

Keep material out of lakes, streams, ponds, and sewer drains. Dike to confine spill and absorb with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal.

To clean and neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash, and an appropriate alcohol (i.e., methanol, ethanol or isopropanol). Follow this by washing with a strong soap and water solution. Absorb, as above, any excess liquid and add to the drums of waste already collected. Repeat if necessary.

### 7. Handling and Storage

**GENERAL PROCEDURES:** Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. Always wash thoroughly after handling.

### 8. Exposure Controls / Personal Protection

#### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** Approved respirator

**PROTECTIVE GLOVES:** Rubber gloves

**EYE PROTECTION:** Safety goggles or face shield.

**INDUSTRIAL HYGIENE:** Adequate ventilation.

### 9. Physical And Chemical Properties



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**ODOR:** Aromatic odor

**APPEARANCE:** Yellow liquid

**pH:** 4.71

**SOLUBILITY IN WATER:** Emulsifies in water

**SPECIFIC GRAVITY:** 0.971

### 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Excessive heat and fire.

#### HAZARDOUS DECOMPOSITION

**PRODUCTS:** Carbon monoxides, carbon dioxide, hydrogen cyanide, chlorine and hydrogen chloride

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

### 11. Toxicological Information

**I ACUTE DERMAL LD<sub>50</sub>:** >2,000 mg/kg (rabbit)

**ACUTE ORAL LD<sub>50</sub>:** >355 mg/kg

**ACUTE INHALATION LC<sub>50</sub>:** >2.02 mg/L (4 hrs, rat)

**EYE IRRITATION:** moderately irritating

**DERMAL IRRITATION:** moderately irritating

**DERMAL SENSITIZATION:** not a sensitizer

### 12. Ecological and Ecotoxicological Information

**ENVIRONMENTAL DATA:** Cypermethrin is rapidly degraded in soil with a half-life of 2 to 4 weeks. It is readily hydrolyzed under basic conditions; hydrolysis half-life period can be 20 to 29 days. Cypermethrin has a high affinity for organic matter and a Log Pow of 5.0; yet, because of the ease with which the material undergoes degradation, it has a very low potential for bioconcentration (BCF = 17), and is not mobile in soil.

**ECOTOXICOLOGICAL INFORMATION:** Cypermethrin is considered extremely toxic to fish and aquatic arthropods, and has LC50 values which range from 0.004 ug/L to 3.6 ug/L. The aquatic arthropods tended to be some of the more sensitive species. Care should be taken to avoid contamination of the aquatic environment. Cypermethrin is slightly toxic to birds and oral LD50 values are greater than 10,248 mg/kg.

### 13. Disposal Considerations

**DISPOSAL METHOD:** Open dumping or burning of this material or its packaging is prohibited. If spilled material cannot be disposed of by use according to instructions, an



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acceptable method of disposal is to incinerate accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location and regulatory requirements may change, the appropriate agencies should be contacted prior to disposal.

**EMPTY CONTAINER:** Non-returnable containers which held this material should be cleaned prior to disposal, by triple rinsing. Containers which held this material may be cleaned by being triple rinsed, and recycled, with rinsate being incinerated. Do not cut or weld metal containers. Vapors that form may create an explosion hazard

### 14. Transport Information

Not available

### 15. Regulatory Information

Not available

### 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. 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 produces formulations containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.