

江苏省农用激素工程技术研究中心有限公司

JIANGSU AGROCHEM LABORATORY CO.,LTD

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Material Safety Data Sheet for Flumetsulam 800g/kg WG Herbicide

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company's Name: Jiangsu Agrochem Laboratory Co., Ltd.
Company's Address: 98 Minjiang Rd, Hi-Tech Development Zone, Changzhou, China
Company's Zip Code: 213022
Company's Telephone: 86-519-5109160

Product Name: FLUMETSULAM 800 WG HERBICIDE

Product Type: -

Formulation Type: Water dispersible granules

Chemical Type: -

Product Use: Agricultural herbicide.

2. HAZARDS IDENTIFICATION

Hazard Classes: 9.1A, 9.2A
Refer to Section 15 for ERMA Requirements.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS No.	Proportion
Flumetsulam	98967-40-9	800g/kg

4. FIRST AID MEASURES

Eye Contact	Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation occurs.
Skin Contact	Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.
Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Notes to Doctor	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	None
Flammable Limits	Not determined.

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Extinguishing Media	Dry chemical, water spray (fog), foam or carbon dioxide.
Thermal Decomposition Products	Include oxides of carbon and nitrogen.
Special Fire Fighting Methods	Addition of water may cause excessive foaming. Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated runoff to enter drains.
Unusual Fire or Explosion Hazards	None.

6. ACCIDENTAL RELEASE MEASURES

Accidental release	Use appropriate protective equipment. Clear area of unnecessary personnel. Spills may be slippery and should be cleaned up immediately. Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.
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7. HANDLING AND STORAGE

Storage	Keep out of reach of children. Store in the original, tightly closed container, in a secure place.
Handling and Use	Keep out of reach of children. Avoid contact with eyes and skin. Avoid inhalation of dust or spray mist. When mixing or applying, wear protective clothing as described in section 8. Do not eat, drink or smoke while using. Wash hands and face after use. Wash protective clothing after use.
Approved Handler	Required if applied in a wide dispersive manner or by a commercial contractor.
Tracking Record Keeping	Not required. Record of use must be kept if 3 Kg or more is used in an area within 24 hours, and is likely to enter air or water and leave that place.
REI Site Requirements under the HSNO Act 1996 and HSNO Regulations:	Until spray has dried A location test certificate is not required A hazardous atmosphere zone is not required Fire extinguishers are not required Signage is required for 100 Kg or more Emergency information is required for 5 Kg or more An emergency plan is required for more than 100 Kg Secondary containment is not required Separation/Segregation from incompatible substances is not applicable.
Additional Requirements	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Tolerable Exposure Limit	None established.
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Workplace Exposure Standards	Product – None established (Use lowest practicable level). Active ingredient – None established (Use lowest practicable level). Excipients – None established (Use lowest practicable level).
Engineering Controls	Limited given nature of use.
Personal Protection	Eye Safety glasses/goggles when mixing or applying. Skin Cotton overalls snugly fitting at the neck, wrist and ankle, boots and waterproof gloves. Respiratory Not required where dust or spray mist is not inhaled. Otherwise, respirator (organic vapour and particulate matter) is required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown Granules
Odour	Non-specific
Flash Point	Will not flash
Auto ignition temperature	Not available
Explosive Limits	Not available. As with many dusts, an explosive air/dust mixture may be formed if rough handling liberates dust in enclosed or poorly ventilated areas
Density	0.85 g/ml (approx.)
Vapour Pressure	Not volatile
Vapour Density	Not volatile
Solubility in water	Dispersible
pH	Not applicable
Oxidizing Properties	Not an oxidizer
Corrosive Properties	Not a corrosive

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Incompatibility	Avoid mixing with strong acids, alkalis, and oxidizing agents such as chlorine compounds, ammonium nitrate, etc.
Decomposition	Decomposition will not occur under normal conditions .
Dangerous Reactions	Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable.

11. TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet.

Swallowed	No data available (No cases of poisoning known)
Eye	May cause slight irritation
Skin	No data available (No cases of harm known)
Inhalation	No data available (No cases of harm known)
Acute Toxicity (Active Ingredient)	Acute Oral LD50 (Mammals) >5000 mg/kg Acute Dermal LD50 (Mammals) >2000 mg/kg Inhalation LC50 (4 hr) (Mammals) > 1.2 mg/l
Sensitisation Effects	None
Mutagenic Effects	None



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Carcinogenic Effects	None
Reproductive Effects	None
Teratogenic (Birth) Effects	None
Systemic Effects	None

12. ECOLOGICAL INFORMATION

Aquatic Toxicity	LC50 (96hr) for silverside minnow is >379 mg/l for flumetsulam.
Soil Toxicity	Unknown.
Terrestrial Vertebrates - Birds	LD50 for bobwhite quail is >2,250 mg/kg for flumetsulam
Terrestrial Invertebrates - Bees	Unknown.

13. DISPOSAL CONSIDERATIONS

Product disposal	Dispose of product by using it in accordance with the label. Waste product should be disposed of to a suitable landfill.
Container disposal	Dispose of to a suitable landfill. Do not burn. Do not use packaging for any other purpose.

14. TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FLUMETSULAM 80%)
Class	9.
Subsidiary Class	None
Packing Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 Kg
Passenger Service Vehicle	No restriction

15. REGULATORY INFORMATION

APPROVED HANDLER: This product must be under the control of an approved handler during use.

ERMA Approval Code: HSRXXXXXX.

ACVM Pesticide Number: PXXXXXX.



16. OTHER INFORMATION

MSDS Created Date: Aug. 28, 2014

Revision Date: original

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with

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