



Material Safety Data Sheet

Flumetsulam

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Flumetsulam
CAS No. : 98967-40-9
Chemical Formula: : C₁₂H₉F₂N₅O₂S

1.2 Details of the supplier of the safety data sheet

Company : Ningbo Huili Import & Export Co., Ltd.
ROOM 1403, No.757, RILI MIDDLE ROAD, YINZHOU,
NINGBO, CHINA
Telephone :0086574-87641888
Fax :0086574-87641880

SECTION 2: Hazards identification

GHS Classification: : Acute toxicity, Inhalation (Category 4), H332
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

Signal word : Warning

Hazard statement(s)

H332 : Harmful if inhaled.
H410 : Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention

P261 : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P271 : Use only outdoors or in a well-ventilated area.
P273 : Avoid release to the environment.
P304 + P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 : Call a POISON CENTER or doctor/ physician if you feel unwell.
P391 : Collect spillage.
P501 : Dispose of contents/ container to an approved waste disposal plant.



SECTION 3: Composition/information on ingredients

Chemical name	CAS No.	Content %
Flumetsulam	98967-40-9	97
Others	-	

SECTION 4: First aid measures

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Wash off with soap and plenty of water. Consult a physician.

Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: Firefighting measures

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards : -

Advice for firefighters : Wear self contained breathing apparatus for fire-fighting if necessary.

SECTION 6: Accidental release measures

Procedure(s) of personal precaution(s): Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Material and methods for containment and cleanup procedures: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 7: Handling and storage

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/face Protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

SECTION 9: Physical and chemical properties

Appearance	: White powder
Melting Point:	: 251 - 253 °C.
Flash point	: 93 °C
Water solubility	: 5650 g/l

SECTION 10: Stability and reactivity

Chemical stability: Stable under recommended storage conditions.

Incompatible materials: Reducing agents, Acids and bases, Oxidizing agents.

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Hydrogen fluoride.

SECTION 11: Toxicological information

Oral LD₅₀: >5000 mg/kg (rat)

Dermal LD₅₀: >2000 mg/kg (rat)

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

SECTION 12: Ecological information

Toxicity to fish: LC₅₀ - *Oncorhynchus clarki* - 300 mg/l - 96 h.

Toxicity to algae: EC₅₀ - Algae - 0.167 mg/l - 120 h.

Toxicity to daphnia and other aquatic invertebrates: EC₅₀ - Daphnia - 254 mg/l - 48 h.

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.



SECTION 13: Disposal considerations

Waste treatment methods: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

SECTION 14: Transport information

UN class 9

PG III

UN proper shipping name : Environmentally hazardous substance, solid, n.o.s (Flumetsulam)

SECTION 15: Regulatory information

According to local authorities' requirements.

SECTION 16: Other information

None

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