



Material Safety Data Sheet

Florasulam

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

1.1 Product identifiers

Product name : Florasulam
CAS No. : 145701-23-1
Chemical Formula: : C₁₂H₈F₃N₅O₃S

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 aquatic toxicity (Category 1),H400;
Chronic aquatic toxicity (Category 1),H410.

Signal word : Warning

Hazard statement(s)

H410 : Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273 : Avoid release to the environment.

P501 : Dispose of contents/ container to an approved waste disposal plant.

P391 : Collect spillage.

SECTION 3: Composition/information on ingredients

Chemical name	CAS No.	Content %
Florasulam	145701-23-1	97
Others	-	

SECTION 4: First aid measures

Eyes: Flush eyes with water as a precaution.

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 : Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen fluoride.

Advice for firefighters : Wear self-contained breathing apparatus for firefighting 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: 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. Keep in a dry 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: Use equipment for eye protection tested and approved under appropriate



government standards such as NIOSH (US) or EN 166(EU).

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

SECTION 9: Physical and chemical properties

Appearance	: White powder
Melting Point:	: 194 - 231 °C - Decomposes before melting.
Density	: 1.53 g/cm ³
Vapor pressure	: 0.01 mPa at 25 °C

SECTION 10: Stability and reactivity

Chemical stability: Stable under recommended storage conditions.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen fluoride. In the event of fire: see section 5

SECTION 11: Toxicological information

Oral LD₅₀: >6000 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: Dietary LC₅₀ for quail and mallard ducks >5000 mg/kg diet. LC₅₀ (96 h) for bluegill sunfish >98 mg/l, rainbow trout >96 mg/l.

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

Other adverse effects: Very toxic to aquatic life.

SECTION 13: Disposal considerations

Waste treatment methods: Offer surplus and non-recyclable solutions to a licensed disposal



company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

SECTION 14: Transport information

UN class 9

PG III

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

SECTION 15: Regulatory information

According to local authorities' requirements.

SECTION 16: Other information

None

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