



## 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: : C<sub>12</sub>H<sub>8</sub>F<sub>3</sub>N<sub>5</sub>O<sub>3</sub>S

##### 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<sub>x</sub>), 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 <sup>3</sup>
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<sub>x</sub>), Sulphur oxides, Hydrogen fluoride. In the event of fire: see section 5

## SECTION 11: Toxicological information

**Oral LD<sub>50</sub>:** >6000 mg/kg (rat)

**Dermal LD<sub>50</sub>:** >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 LC<sub>50</sub> for quail and mallard ducks >5000 mg/kg diet. LC<sub>50</sub> (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

-----The End-----