



Material Safety Data Sheet

Flufenacet

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

1.1 Product identifiers

Product name : Flufenacet
CAS No. : 142459-58-3
Chemical Formula: : C₁₄H₁₃F₄N₃O₂S

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, Oral (Category 4), H302
Skin sensitization (Category 1), H317
Specific target organ toxicity-repeated exposure (Category 2), H373
Short-term (acute) aquatic hazard (Category 1), H400
Long-term (chronic) aquatic hazard (Category 1), H410

Signal word : Warning

Hazard statement(s)

H302 : Harmful if swallowed.
H317 : May cause an allergic skin reaction.
H373 : May cause damage to organs through prolonged or repeated exposure.
H410 : Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention

P260 : Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 : Wash skin thoroughly after handling.
P270 : Do not eat, drink or smoke when using this product.
P273 : Avoid release to the environment.



P280	: Wear protective gloves.
Response	
P314	: Get medical advice/ attention if you feel unwell.
P333 + P313	: If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364	: Take off contaminated clothing and wash it before reuse.
P391	: Collect spillage.

SECTION 3: Composition/information on ingredients

Chemical name	CAS No.	Content %
Flufenacet	142459-58-3	95
Others	-	

SECTION 4: First aid measures

Eyes: Rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

Skin: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

Swallowed: Immediately make victim drink water (two glasses at most). Consult a physician.

SECTION 5: Firefighting measures

Suitable extinguishing media	: Water Foam Carbon dioxide (CO ₂) Dry powder
Special hazards	: Carbon oxides, Nitrogen oxides (NO _x), Sulphur oxides, Hydrogen fluoride, Combustible.
Advice for firefighters	: Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

SECTION 6: Accidental release measures

Procedure(s) of personal precaution(s): Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

Material and methods for containment and cleanup procedures: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Environmental precautions: Do not let product enter drains.



SECTION 7: Handling and storage

Precautions for Safe Handling: Work under hood. Do not inhale substance/mixture. Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Conditions for safe storage: Storage condition is tightly closed and dry.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls: Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

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

Skin Protection: This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

SECTION 9: Physical and chemical properties

Appearance	: Beige powder
Melting Point:	: 75 - 77 °C.
Density	: 1.45 g/cm ³ (20 °C)
Water solubility	: Slightly soluble

SECTION 10: Stability and reactivity

Chemical stability: The product is chemically stable under standard ambient conditions (room temperature).

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: In the event of fire: see section 5.

SECTION 11: Toxicological information

Oral LD₅₀: >589 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 mykiss (rainbow trout) - 5.8 mg/l - 96.0 h.

Toxicity to algae: EC₅₀ - Pseudokirchneriella subcapitata (green algae) - 0.085 mg/l - 72 h.

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.

SECTION 14: Transport information

UN class 9

PG III

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

SECTION 15: Regulatory information

According to local authorities' requirements.

SECTION 16: Other information

None

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