



Material Safety Data Sheet

Spirodiclofen

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

1.1 Product identifiers

Product name : Spirodiclofen
CAS No. : 148477-71-8
Chemical Formula: : C₂₁H₂₄Cl₂O₄

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: Skin sensitisation (Category 1), H317
Chronic aquatic toxicity (Category 4), H413

Signal word Warning

Hazard statement(s)

H317 May cause an allergic skin reaction.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse..
P501 Dispose of contents/ container to an approved waste disposal plant.



SECTION 3: Composition/information on ingredients

Chemical name	CAS No.	Content %
Spirodiclofen	148477-71-8	98
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 arising from the substance or mixture	Carbon oxides, Hydrogen chloride gas
Advice for firefighters	Wear self contained breathing apparatus for fire-fighting if necessary.

SECTION 6: Accidental release measures

Emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. 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. Normal measures for preventive fire protection.

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

Respiratory Protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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

SECTION 9: Physical and chemical properties

Appearance	: White powder
Melting Point:	: 94.8°C
Density	: 1.29 g/cm ³ at 20 °C
Oxidizing properties	: none

SECTION 10: Stability and reactivity

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No dangerous reactions known.

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

SECTION 11: Toxicological information

Oral LD₅₀: >2500 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 - *Lepomis macrochirus* (Bluegill) - > 0.045 mg/l - 96 h.

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



Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

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

SECTION 14: Transport information

UN proper shipping name : Not dangerous goods

SECTION 15: Regulatory information

According to local authorities' requirements.

SECTION 16: Other information

None

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