



JIANGXI JINYUANLAI NEW HIGH-TECH MATERIAL CO.,LTD

Add: Jinsha Bay Industrial Park, HuKou County, Jiujiang, Jiangxi, China

(86)791-88856219(Tel) (86) 791-88856219 (Fax)

Material Safety Data Sheet

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

Product identifiers

Product name: Fludioxonil

Product Number: JYL-002

Products Brand: Jinyuanlai

Reach No: A registration number is not available for this substance as the substance or its uses are exempted from registration. the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, manufacturer of substances

Details of the supplier of the safety data sheet

Company: Jiangxi Jinyuanlai New High-Tech Material Co.,Ltd

Jinsha Bay Industrial Park, HuKou County, jiujiang, jiangxi, China

Tel: +86-791-88856219

Zip code: 332000

SECTION 2: Hazards identification



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Classification of the substance or mixture

Classification according to regulation(CE) No 1272/2008

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

For the full text of the H-statement mentioned in this section, see section 16.

Label elements

Labelling according regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H410

Very toxic to aquatic life with long lasting effects

Precautionary statement(s) none

Supplemental Hazard Statements none

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

Substances

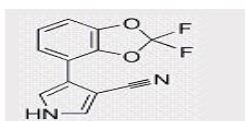
Formula: C₁₂H₆F₂N₂O₂

CAS No: 131341-86-1

Chemical Name: 4-(2,2-difluoro-1,3-benzodioxol-4-yl)pyrrole-3-carbonitrile

Molecular Weight: 248.18

Structural formula:





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Melting point: 199.8°C
Vapour pressure: 3.9×10^{-8} Pa (20-25°C)

Hazardous ingredients according to regulation (EC) No 1272/2008

Component	Classification	Concentration
Fludioxonil		
CAS:131341-86-1	Acute Acute 1; Aquatic Acute 1:Aquatic Chronic 1; ,H400,H410 M-Factor-Aquatic Acute:1	$\leq 100\%$

For the full text of the H-Statements mentioned in this section, see section 16

SECTION 4: First aid measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If inhaled in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

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

In case of eye contact

Flush eyes with water as a precaution

If swallowed

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

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

Indication of any immediate attention and special treatment needed

No data available



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SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing Vapour, mist or gas. Ensure adequate ventilation.

For personal protection see section 8.

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

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other section

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

For precaution see sections 2.

Conditions for safe storage, including any incompatibilities



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Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS510): Non combustible solids.

Special end uses(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Appropriate engineering controls

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

Personal protective equipment

Eye/Face protection

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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of the dangerous substance, 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.

Respiratory protection



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Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

Control of environment 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

Information on basic physical and chemical properties

a) Appearance	From: solid
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point:	199.8℃
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability(solid,gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	2.6×10 ⁻⁸ Pa(20-25℃)
l) Vapour density	No data available
m) Relative density	No Data available
n) Water solubility	No data available
o) Partition coefficient:n-octanol / water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

Other safety information

No data available

SECTION 10: Stability and reactivity



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Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. Carbon oxides, Nitrogen oxides (NO_x), Hydrogen fluoride

Other decomposition products No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No data available Fludioxonil

Skin corrosion/irritation

No data available Fludioxonil

Serious eye damage/eye irritation

No data available Fludioxonil

Respiratory or skin sensitisation

No data available Fludioxonil

Germ cell mutagenicity

No data available Fludioxonil



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Carcinogenicity

IARC: 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.

Reproductive toxicity

No data available Fludioxonil

Specific target organ toxicity -Single exposure

No data available Fludioxonil

Specific target organ toxicity -repeated exposure

No data available

Aspiration hazard

No data available (Fludioxonil)

Addition information

RTECS: UX9347525

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Fludioxonil)

SECTION 12: Ecological information

Toxicity

Toxicity to fresh mortality LC50-Lepomis macrochirus (Bluegill)-0.74gm/l
-96 h(fludioxonil)

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available (Fludioxonil)

Results of PBT and vPvB assessment



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This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated package

Dispose of as unused product.

SECTION 14: Transport information

UN number

ADR/RID: 3077 IMDG: 3077 IATA: 3077

UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (Fludioxonil)

IMDG: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (Fludioxonil)

IATA: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (Fludioxonil)

Transport hazard class(es)

ADR/RID: 9 IMDG: 9 IATA: 9

Packaging group

ADR/RID: III IMDG: III IATA: III

Environment hazards

ADR/RID: yes IMDG: yes IATA: yes



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Special precautions for user

Further information

EHS-Mark required (ADR 2.2.9.10,IMGD code 2.10.3) for single packagings and combination packaging containing inner packagings with dangerous goods >5L for liquids or 5>Kg for solids.

SECTION 15: Regulatory information

Safety,health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of regulation (EC) No.1907/2006

Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Full text of H-statements referred to under sections 2 and 3.

H400 Very Toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects.

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only has as a guide.The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriated safety precautions. It does not present any guarantee of the properties of the product. Jiangxi Jinyuanlai New High-Tech Material Co.,Ltd shall not be held liable for any damage resulting from handing or from contact with the above product.See the reverse side of invoice or packing slip for additional terms and conditions of sale.