



# SAFETY DATA SHEET

According to JIS Z 7253:2019

Revision date 03-Oct-2023

Revision Number 5.05

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product NamePyriftalid StandardProduct Code167-23161

Supplier FUJIFILM Wako Pure Chemical Corporation

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**Recommended uses** For research use only

**Restrictions on use**Seek expert judgment when using for purposes other than those recommended.

## **Section 2: HAZARDS IDENTIFICATION**

**GHS** classification

Classification of the substance or mixture

Chronic aquatic toxicity

Category 2

**Pictograms** 



Signal word

None

## **Hazard statements**

H411 - Toxic to aquatic life with long lasting effects

## **Precautionary statements-(Prevention)**

· Avoid release to the environment

## Precautionary statements-(Response)

Collect spillage

## **Precautionary statements-(Storage)**

· Not applicable

## Precautionary statements-(Disposal)

• Dispose of contents/container to an approved waste disposal plant

Others

Other hazards Not available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Substance

Formula C15H14N2O4S

Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
Pyriftalid	98.0	318.35	N/A	N/A	135186-78-6

Note on ISHL No.: \* in the table means announced chemical substances.

Impurities and/or Additives: Not applicable

## **Section 4: FIRST AID MEASURES**

#### Inhalation

Remove to fresh air. If symptoms persist, call a physician.

#### Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

#### Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

### **Protection of first-aiders**

Use personal protective equipment as required.

## **Section 5: FIRE FIGHTING MEASURES**

### Suitable extinguishing media

Water spray (fog), Carbon dioxide (CO2), Foam, Extinguishing powder, Sand

### Unsuitable extinguishing media

No information available

### Specific hazards arising from the chemical product

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### Special extinguishing method

No information available

### Special protective actions for

### fire-fighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

## Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

## **Environmental precautions**

To be careful not discharged to the environment without being properly handled waste water contaminated.

### Methods and materials for contaminent and methods and materials for cleaning up

Sweep up and gather scattered particles, and collect it in an empty airtight container.

### Recoverly, neutralization

No information available

## Secondary disaster prevention measures

Clean contaminated objects and areas thoroughly observing environmental regulations.

## **Section 7: HANDLING AND STORAGE**

### Handling

### Technical measures

Avoid contact with strong oxidizing agents. Use with local exhaust ventilation.

### Precautions

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and

scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

### Safety handling precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Storage** 

Safe storage conditions

**Storage conditions** Keep container protect from light tightly closed. Store in a cool (2-10 °C) place.

Safe packaging material Glass

Incompatible substances Strong oxidizing agents

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Engineering controls**

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and handand eye-wash facility. And display their position clearly.

**Exposure limits** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

Personal protective equipment

Respiratory protection Dust mask ( JIS T 8151 )

**Hand protection** chemical protective gloves ( JIS T 8116 ) **Eye protection** protective eyeglasses or chemical safety goggles

Skin and body protection Long-sleeved work clothes

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form

**Color** white

Appearance crystalline powder - powder

Odor no data available

Melting point/freezing point 163.4 °C

Reiling point initial boiling point and boiling range po data available

Boiling point, initial boiling point and boiling rangeno data availableFlammabilityno data availableEvaporation rate:no data availableFlammability (solid, gas):no data available

Upper/lower flammability or

explosive limits

Upper: no data available
Lower: no data available
Flash point no data available
Auto-ignition temperature: no data available
Decomposition temperature: no data available
pH no data available

Viscosity (coefficient of viscosity)

no data available

Pvnamic viscosity

no data available

Solubilities acetone: soluble. water, Ethanol: practically insoluble, or

insoluble .

n-Octanol/water partition coefficient:(log Pow) 2.6

Vapour pressureno data availableSpecific Gravity / Relative densityno data availableVapour densityno data availableParticle characteristicsno data available

## **Section 10: STABILITY AND REACTIVITY**

## Stability

**Reactivity** no data available **Chemical stability** May be altered by light.

**Hazardous reactions** 

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight

Incompatible materials

Strong oxidizing agents

### Hazardous decomposition products

Carbon monooxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Sulfur oxides (SOx)

## **Section 11: TOXICOLOGICAL INFORMATION**

**Acute toxicity** 

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50		
Pvriftalid	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 5.54 mg/L ( Rat ) 4 h		

Chemical Name	Acute toxicity -oral- source	Acute toxicity -dermal- source	Acute toxicity -inhalation gas-
	information	information	source information
Pyriftalid	Based on the NITE GHS	Based on the NITE GHS	Based on the NITE GHS
,	classification results.	classification results.	classification results.

Chemical Name	Acute toxicity -inhalation	Acute toxicity -inhalation dust-	Acute toxicity -inhalation mist-
	vapor- source information	source information	source information
Pyriftalid	Based on the NITE GHS	Based on the NITE GHS	Based on the NITE GHS
,	classification results.	classification results.	classification results.

### Skin irritation/corrosion

Chemical Name	Skin corrosion/irritation source information	
Pyriftalid	Based on the NITE GHS classification results.	
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Serious eye damage/ irritation

Chemical Name	Serious eye damage/irritation source information	
Pyriftalid	Based on the NITE GHS classification results.	
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Respiratory or skin sensitization

Chemical Name	Respiratory or Skin sensitization source information
Pyriftalid	Based on the NITE GHS classification results.

Reproductive cell mutagenicity

Chemical Name	germ cell mutagencity source information
Pyriftalid	Based on the NITE GHS classification results.

Carcinogenicity

Chemical Name	Carcinogenicity source information
Pyriftalid	Based on the NITE GHS classification results.

Reproductive toxicity

d on the NITE GHS classification results.
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Chemical Name	STOT -single exposure- source information	
Pyriftalid	Based on the NITE GHS classification results.	

STOT-repeated exposure

Chemical Name	STOT -repeated exposure- source information	
Pyriftalid	Based on the NITE GHS classification results.	

**Aspiration hazard** 

Chemical Name	Aspiration Hazard source information	
Pyriftalid	Based on the NITE GHS classification results.	

## **Section 12: ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Pyriftalid	ErC50 : Pseudokirchneriella subcapitata > 0.9 mg/L 72 h	LC50 : Cyprinus carpio > 0.33 mg/L 96 h	EC50 : Daphnia magna > 1.8 mg/L 48 h

### Other data

Chemical Name	Short-term (acute) hazardous to the aquatic environment source information	Long-term (chronic) hazardous to the aquatic environment source information
,	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Persistence and degradabilityNo information availableBioaccumulative potentialNo information availableMobility in soilNo information availableHazard to the ozone layerNo information available

## **Section 13: DISPOSAL CONSIDERATIONS**

### Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## Section 14: TRANSPORT INFORMATION

ADR/RID

UN number UN3077

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Pyriftalid)

UN classfication

Subsidiary hazard class

Packing group III
Marine pollutant Yes

**IMDG** 

UN number UN3077

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Pyriftalid)

UN classfication 9

Subsidiary hazard class

Packing group III
Marine pollutant (Sea) Yes

Transport in bulk according to No information available

Annex II of MARPOL 73/78 and

the IBC Code

IATA

UN number UN3077

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (Pyriftalid)

UN classfication

Subsidiary hazard class

Packing group III
Environmentally Hazardous Yes

**Substance** 

## **Section 15: REGULATORY INFORMATION**

Japanese regulations

Fire Service Act Not applicable

Poisonous and Deleterious

Not applicable

**Substances Control Law** 

Industrial Safety and Health Act Not applicable

Regulations for the carriage and storage of dangerous

Noxious Substances (Ordinance Art.3, Ministry of Transportation Ordinance Regarding

Transport by Ship and Storage, Attached Table 1)

goods in ship Civil Aeronautics Law

Misellaneous Dangerous Substances and Articles (Ordinance Art.194, MITL Nortification

for Air Transportation of Explosives etc., Attached Table 1)

Pollutant Release and Transfer Class 1

Register Law (2023.4.1-)

**Class 1 - No.** 663

**Export Trade Control Order** Not applicable

Chemical Name	Poisonous and Deleterious Substances Control Law	Industrial Safety and Health Act Substances (Law Art.57-2)	Pollutant Release and Transfer Register Law (2023.4.1-)
Pyriftalid	-	-	Applicable
135186-78-6 ( 98.0 )			

## **Section 16: OTHER INFORMATION**

Key literature references and sources for data etc.

NITE: National Institute of Technology and Evaluation (JAPAN)

http://www.safe.nite.go.jp/japan/db.html IATA dangerous Goods Regulations

RTECS:Registry of Toxic Effects of Chemical Substances
Japan Industrial Safety and Health Association GHS Model SDS

Dictionary of Synthetic Oraganic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd.

Chemical Dictionary, Kyouritsu Publishing Co., Ltd.

etc

### **Disclaimer**

This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GHS Classification is according to JIS Z 7252:2019. \*JIS: Japanese Industrial Standards

**End of Safety Data Sheet**