



# SAFETY DATA SHEET

According to JIS Z 7253:2019 **Revision date** 25-Mar-2024 Revision Number 2.05

Category 1

Category 2 Category 2

# Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Oryzalin Standard
Product Code	158-02651
Supplier	FUJIFILM Wako Pure Chemical Corporation 1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan Phone: +81-6-6203-3741 Fax: +81-6-6203-2029
Emergency telephone number Recommended uses Restrictions on use	+81-6-6203-3741 / +81-3-3270-8571 For research use only Seek expert judgment when using for purposes other than those recommended.

# Section 2: HAZARDS IDENTIFICATION

GHS classification <u>Classification of the substance or mixture</u> Skin sensitization Acute aquatic toxicity Chronic aquatic toxicity

Pictograms



Warning

#### Hazard statements

- H317 May cause an allergic skin reaction
- H411 Toxic to aquatic life with long lasting effects
- H401 Toxic to aquatic life

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

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves
- Avoid release to the environment

#### **Precautionary statements-(Response)**

- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- · Wash contaminated clothing before reuse
- · Collect spillage

#### Precautionary statements-(Storage)

Not applicable

### Precautionary statements-(Disposal)

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

### Others

W01W0115-0265 JGHEEN

#### Other hazards

Not available

# Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Substance

Formula

#### C12H18N4O6S

Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
Oryzalin	98.0	346.36	N/A	N/A	19044-88-3
Note on ISHL No.:	* in the	table means announ	ced chemical substa	inces.	

# 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 Safe packaging material

Incompatible substances

Keep container protect from light tightly closed. Store in a cool (2-10 °C) place. Glass 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 Hand protection Eye protection Skin and body protection

Dust mask ( JIS T 8151 ) chemical protective gloves ( JIS T 8116 ) protective eyeglasses or chemical safety goggles (JIS T 8147) Long-sleeved work clothes

#### **General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

If this product is classified as "Chemical Substances Hazardous to Skin, etc.", use appropriate protective equipment to them.

# Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Form Color Appearance Odor Melting point/freezing point Boiling point, initial boiling point and boiling range Flammability Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits Upper: Lower: Flash point Auto-ignition temperature:

reddish yellow  $\sim$  yellowish red crystals - crystalline powder no data available 137 - 138 °C no data available no data available

no data available

Decomposition temperature: pH Viscosity (coefficient of viscosity) Dynamic viscosity Solubilities

n-Octanol/water partition coefficient:(log Pow) Vapour pressure Specific Gravity / Relative density Vapour density Particle characteristics no data available no data available no data available no data available Ethanol , acetone : soluble . water : practically insoluble,or insoluble . no data available no data available

# Section 10: STABILITY AND REACTIVITY

#### Stability

Reactivityno data availableChemical stabilityMay be altered by light.Hazardous reactionsMay be altered by light.None under normal processingStrong oxoidConditions to avoidStrong oxidizing agentsIncompatible materialsStrong oxidizing agentsStrong oxidizing agentsStrong oxidizing agentsHazardous decomposition productsCO2), Nitrogen oxides (NOx), Sulfur oxides (SOx)

# Section 11: TOXICOLOGICAL INFORMATION

#### Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Oryzalin	10000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	N/A

Skin irritation/corrosion	no data available
Serious eye damage/ irritation	no data available
Respiratory or skin sensitization	no data available
Reproductive cell mutagenicity	no data available
Carcinogenicity	no data available
Reproductive toxicity	no data available
STOT-single exposure	no data available
STOT-repeated exposure	no data available
Aspiration hazard	no data available

# Section 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Other data no data available

Persistence and degradability Bioaccumulative potential Mobility in soil Hazard to the ozone layer No information available No information available No information available

No 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. (Oryzalin)
UN classfication	9
Subsidiary hazard class	
Packing group	III
Marine pollutant	Yes
IMDG	
UN number	UN3077
Proper shipping name:	Environmentally hazardous substance, solid, n.o.s. (Oryzalin)
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	
ΙΑΤΑ	
UN number	UN3077
Proper shipping name:	Environmentally hazardous substance, solid, n.o.s. (Oryzalin)
UN classfication	9
Subsidiary hazard class	
Packing group	III
Environmentally Hazardous	Yes
Substance	

# Section 15: REGULATORY INFORMATION

Fire Service Act Not applicable	
Poisonous and Deleterious Not applicable	
Substances Control Law	
Industrial Safety and Health Act Not applicable	
Industrial Safety and Health Act (	h 1)
2024~)	
<b>Regulations for the carriage</b> Noxious Substances (Ordinance Art.3, Ministry of Transportation Ordinance Regardir	g
and storage of dangerous Transport by Ship and Storage, Attached Table 1)	
goods in ship	
Civil Aeronautics Law Misellaneous Dangerous Substances and Articles (Ordinance Art. 194, MITL Nortifica	ion
for Air Transportation of Explosives etc., Attached Table 1)	
Pollutant Release and Transfer Not applicable	
Register Law	
(2023.4.1-)	
Export Trade Control Order Not applicable	

# 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
Record of SDS revisions	The following contents were revised. Regulatory information.

#### Record of SDS revisions 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