# ← HPC

#### Quinofumelin

# Hayashi Pure Chemical Ind.,Ltd.

Date of issue: 7/24/2025 SDS code: JD-18 Version: 01

## **Safety Data Sheet**

# 1. Chemical product and company identification

Product name : Quinofumelin SDS code : JD-18

Company/undertaking

identification

HAYASHI PURE CHEMICAL IND.,LTD.

Address: 3-2-12 Uchihiranomachi, Chuo-ku, Osaka, Osaka, Japan

Telephone: 06-6910-7305

E-mail: shiyaku\_kikaku@hpc-j.co.jp URL: https://www.hpc-j.co.jp/

Emergency number : 06-6910-7305

**Recommended use** : For research and experimental use only.

Restrictions on use : Do not use for any purpose other than research and experiment. Do not use on a

human body or for animal medicines, foods, household products, cosmetics, etc.

classification not possible

Do not use in the environment.

# 2. Hazards identification

#### **GHS** classification

Health hazards

Physical hazards Explosives classification not possible

Flammable gases No classification

Aerosol classification not possible

Oxidizing gases No classification
Gases under pressure No classification
Flammable liquids No classification

Flammable solids classification not possible Self-reactive substances and classification not possible

mixtures

Pyrophoric liquids No classification

Pyrophoric solids classification not possible Self-heating substances and classification not possible

mixtures

Substances and mixtures which in

contact with water emit flammable

gases

Oxidizing liquids No classification

Oxidizing solids classification not possible
Organic peroxides classification not possible
Corrosive to metals classification not possible
Desensitized explosives classification not possible
Acute toxicity (oral) classification not possible
Acute toxicity (dermal) classification not possible

Acute toxicity (dermal) classification not possible classification not possible

Serious eye damage/eye irritation classification not possible Respiratory sensitization classification not possible Skin sensitization classification not possible Germ cell mutagenicity classification not possible

Carcinogenicity Category 2

Reproductive toxicity classification not possible Specific target organ toxicity (single classification not possible

exposure)

Specific target organ toxicity

(repeated exposure)

Category 2 (liver, large intestine, kidneys, blood)

classification not possible Aspiration hazard

Environmental hazards

Hazardous to the aquatic environment, short-term (acute)

Hazardous to the aquatic

Category 1 environment, long-term (chronic)

Hazardous to the ozone layer classification not possible

Hazard pictograms (GHS JP)





GHS09

Signal word (GHS JP) Warning

Hazard statements (GHS JP) Suspected of causing cancer (H351)

May cause damage to organs (liver, large intestine, kidneys, blood)

through prolonged or repeated exposure (H373)

Category 1

Very toxic to aquatic life with long lasting effects (H410)

Precautionary statements (GHS JP)

Prevention Obtain special instructions before use. (P201)

Do not handle until all safety precautions have been read and understood.

(P202)

Do not breathe dust/fume/gas/mist/vapors/spray. (P260)

Avoid release to the environment. (P273)

Wear protective gloves/protective clothing/eye protection/face protection.

(P280)

Response IF exposed or concerned: Get medical advice/attention. (P308+P313)

Get medical advice/attention if you feel unwell. (P314)

Collect spillage. (P391)

Storage Store locked up. (P405)

Disposal Dispose of contents/container to hazardous or special waste collection

point, in accordance with local, regional, national and/or international

regulation. (P501)

# 3. Composition/information on ingredients

Distinction of substance or mixture Substance

| Name         | Concentration or<br>Concentration<br>range | Formula    | Kanpo number |            | CAS RN      |
|--------------|--|------------|--------------|------------|-------------|
| Name         |  |            | CSCL no      | ISHL no    | CAS KN      |
| Quinofumelin | ≧95%, ≦100%                                | C20H16F2N2 | -            | 8-(1)-3964 | 861647-84-9 |

The above concentration or concentration range are not product specification.

All percentages listed in the above concentration or concentration range are wt%, unless otherwise specified.

#### 4. First aid measures

#### First aid measures

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing.

Get immediate medical advice/attention.

First-aid measures after skin

contact

Remove/Take off immediately all contaminated clothing.

Gently wash with plenty of soap and water. Get immediate medical advice/attention.

First-aid measures after eye

contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

Get immediate medical advice/attention.

First-aid measures after ingestion

Rinse mouth.

Get immediate medical advice/attention.

# 5. Fire fighting measures

Suitable extinguishing media

Water spray, Foam, Dry powder, Carbon dioxide, Sand.

May induce explosion of containers by heating.

Unsuitable extinguishing media

Do not use a heavy water stream.

Hazardous decomposition products

in case of fire

**Explosion hazard** 

Firefighting instructions

In case of fire, product may produce irritative or toxic fumes/gases.

If ignited, for the initial fire-fighting, cut off combustion sources, extinguish

fire at a stroke using appropriate fire-extinguishers.

In the case of peripheral fire, quickly remove movable containers to safe

If unable to be moved containers, sprinkle water to containers and

surrounding equipment, etc. to cool.

Avoid (reject) fire-fighting water to enter environment.

Even after extinguishing fire, thoroughly cool containers by using plenty of

water.

Protection during firefighting Wear appropriate fire-resistant clothing including self contained-

compressed air breathing apparatus.

#### 6. Accidental release measures

# Personal Precautions, Protective Equipment and Emergency Procedures

General measures Before entering, ventilate the area.

Do not let unauthorized persons come close to the area.

Immediately place the leakage area in isolation, with taking proper

distances for all directions.

Wear appropriate personal protective devices to prevent inhalation and contact with eye, skin, and clothing, and never attempt to work on the lee.

**Environmental precautions** 

**Environmental precautions** Avoid release to the environment.

Prevent entry to sewers and public waters.

#### Methods and Equipment for Containment and Cleaning up

Methods for cleaning up Take care not to generate dust, sweep it up as much as possible, collect it

in an empty container that can be sealed, and move it to a safe place.

Wash out the spilled area with large amounts of water.

# 7. Handling and storage

#### Handling

Technical measures Work with appropriate personal protective equipment to prevent inhalation

or contact to eyes, skin, and clothing.

Handle with care to prevent leakage, overflowing, or scattering, minimize

generation of mist or vapor, and thoroughly ventilate.

Precautions for safe handling Do not eat, drink or smoke when using this product.

Thoroughly wash your hands and gargle after handling.

Ensure good ventilation of the work station.

Do not contact, breathe or swallow.

Prevents handling of incompatible

substances or mixtures

Avoid prolonged or repeated exposure.

#### Storage

Storage conditions Store locked up.

Store in a well-ventilated place, away from direct sunlight. Keep container

tightly closed and keep away from fire and heat sources.

Ar filling.

Material used in packaging/containers Light shielding airtight container.

Comply with applicable regulations. Technical measures

Storage temperature Refrigerate: 2-10°C

# 8. Exposure controls / Personal protection equipment

Appropriate engineering controls : Cover up tightly the generation source at the handling place or install local

exhaust equipment or overall ventilation equipment. Install safety showers and eye-fountains near a handling place. Clearly indicate the location.

**Protective equipment** 

Respiratory protection : Dustproof mask

Hand protection : Impervious protective gloves

Eye protection : Protective glasses (general glasses, glasses with side-shields, goggles)

Skin and body protection : Impervious aprons, Impervious work clothing, Impervious long boots

# 9. Physical and chemical properties

Physical state : Solid
Appearance : Solid
Color : white

Odor No data available рΗ No data available Melting point No data available Freezing point No data available Boiling point No data available Flash point No data available Auto-ignition temperature No data available Decomposition temperature No data available Flammability No data available Vapor pressure No data available Relative density No data available Density No data available Relative gas density No data available Solubility No data available Partition coefficient n-No data available

octanol/water (Log Pow)

Explosive limits (vol %) : No data available Viscosity, kinematic : No data available Particle characteristics : No data available

#### 10. Stability and reactivity

Reactivity : No data available

Chemical stability : Stable under normal handling conditions.

Possibility of hazardous reactions : Reacts with strong oxidizing agents.

Conditions to avoid : Sunlight, heat. Contact with strong oxidizing agents.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition : Nitrogen oxide, Fluorine, Fluorine compounds

products

# 11. Toxicological information

| Quinofumelin                          |                   |  |
|---------------------------------------|-------------------|--|
| Acute toxicity (oral)                 | No data available |  |
| Acute toxicity (dermal)               | No data available |  |
| Acute toxicity (gas)                  | No data available |  |
| Acute toxicity (vapour)               | No data available |  |
| Acute toxicity (inhalation:dust/mist) | No data available |  |
| Skin corrosion/irritation             | No data available |  |
| Serious eye damage/irritation         | No data available |  |
| Respiratory sensitization             | No data available |  |
| Skin sensitization                    | No data available |  |

| Quinofumelin           |                   |  |
|------------------------|-------------------|--|
| Germ cell mutagenicity | No data available |  |
| Carcinogenicity        | Category 2        |  |
| Reproductive toxicity  | No data available |  |
| STOT-single exposure   | No data available |  |
| STOT-repeated exposure | Category 2        |  |
| Aspiration hazard      | No data available |  |

# 12. Ecological information

| Quinofumelin   |                   |  |
|--|-------------------|--|
| Hazardous to Aquatic Environment - Acute Hazard      | Category 1        |  |
| Hazardous to Aquatic Environment -<br>Chronic Hazard | Category 1        |  |
| Persistence and degradability                        | No data available |  |
| Bioaccumulative potential                            | No data available |  |
| Mobility in soil                                     | No data available |  |
| Hazardous to the ozone layer                         | No data available |  |

# 13. Disposal considerations

Ecology - waste materials With the detail information of the waste, subcontract its disposal to a

waste disposer authorized by a Prefectural Governor.

Contaminated container and

Empty the packaging completely prior to disposal. packaging

Empty containers should be taken for recycle, recovery or waste in

accordance with local regulation.

#### 14. Transport information

#### International Regulations

Transport by sea(IMDG)

UN-No. (IMDG)

Proper Shipping Name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Packing group (IMDG) Ш 9 Transport hazard class(es) (IMDG)

Hazard labels (IMDG) 9 Class (IMDG) 9

Special provision (IMDG) 274, 335, 375, 966, 967, 969

5 kg Limited quantities (IMDG) Excepted quantities (IMDG) E1 Packing instructions (IMDG) LP02, P002

Packing provisions (IMDG) PP12 IBC packing instructions (IMDG) IBC08 IBC special provisions (IMDG) B3

Tank instructions (IMDG) BK1, BK2, BK3, T1

Tank special provisions (IMDG) TP33 Stowage category (IMDG) MFAG-No 171

Air transport(IATA)

UN-No. (IATA)

Proper Shipping Name (IATA) Environmentally hazardous substance, solid, n.o.s.

Ш

Packing group (IATA)

Transport hazard class(es) (IATA) 9 9 Hazard labels (IATA) 9 Class (IATA) PCA Excepted quantities (IATA) E1 PCA Limited quantities (IATA) Y956 PCA limited quantity max net 30kgG

quantity (IATA)

PCA packing instructions (IATA) 956 PCA max net quantity (IATA) 400kg

956 CAO packing instructions (IATA) CAO max net quantity (IATA) 400ka

Special provision (IATA) A97, A158, A179, A197, A215

ERG code (IATA) 9L

Marine pollutant Applicable

Regulations in Japan

Regulatory information by sea Conform to the provisions of the Ship Safety Law. Conform to the provisions of the Civil Aeronautics Law. Regulatory information by air

MFAG-No 171

Special transport precautions When transporting, load containers so that they do not tip over,

damage, drop or collapse. Make sure there is no leak in containers.

# 15. Regulatory information

#### **National law**

Industrial Safety and Health Law Not applicable Japanese Poisonous and Not applicable

**Deleterious Substances Control Law** 

Not applicable

Foreign Exchange and Foreign

Trade Control Act

Export Trade Control Ordinance appendix 1-16

Ship Safety Act Miscellaneous dangerous substances & articles (Dangerous Goods Notification Schedule first second and third Article Dangerous Goods

Regulations)

Civil Aeronautics Law Miscellaneous dangerous substances & articles (Hazardous materials

notice Appended Table 1 Article 194 of the Enforcement Regulations)

Japanese Pollutant Release and Transfer Register Law (PRTR Law) Not applicable

## 16. Other information

Data sources Handbook of 17625 Chemical Products, The Chemical Daily Co, Ltd.

International Chemical Safety Cards.

National Institute of Technology and Evaluation (NITE). 2024 Emergency Response Guidebook (ERG 2024).

Other information The SDS is copyrighted material of Hayashi Pure Chemical Ind, Ltd.

> This Safety Data Sheet is intended to be provided for business operators who handle chemical substance products of the relevant product and is not intended to assure safety in any way. The Safety Data Sheet does not verify all the information on the applicable chemical substance in the present time. With the recognition in that unknown danger constantly exists in the relevant chemical substance, the product shall be used in the principle of self-responsibility of the user with the highest priority to safety from transport and unpacking to disposal. When the relevant chemical substance is used, the user him/herself shall collect safety information and shall investigate laws and regulations at the place, organizations, countries, etc. where the substance is actually used and give the highest priority to them. The Company shall take no responsibility for investigating state and local regulations and the user shall handle this problem on his/her own responsibility. In the event that SDS in Japanese and SDS translated into other languages exist, the document described in Japanese is prior to all other documents whether or not there is any difference in contents, and documents in other languages shall be references.