

Issue date 2023年4月21日

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Paeonol
Product No.	32
Supplier Name	IWASHIMA YAKUHI Co., Ltd.
Address	4-201, Sakurazaka, Moriyama-ku, Nagoya City, Aichi Prefecture 463-0018, Japan
Tel	+81-52-715-5601
Fax	+81-52-715-5602
Email address	info@iwashimayakuhin.co.jp
Recommended uses and restrictions on use	For research use only, do not use for human or animals.

2. Hazards identification

GHS classification

Health hazards	Acute toxicity - Oral	Category 4
	Acute toxicity - Inhalation (Dusts/Mists)	Category 4
	Skin irritation/corrosion	Category 2
	Serious eye damage/ irritation	Category 2A
	Pictograms	



Signal word

Hazard statements

Precautionary statements

Prevention

Response

Storage

Disposal

Other hazards

Warning

Harmful if swallowed, in contact with skin, and inhaled.

Causes skin irritation

Causes serious eye irritation

Do not breathe dust.

Wash hands thoroughly after handling. Do not touch eyes.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

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

IF SWALLOWED: Contact a doctor if you feel unwell.

Rinse mouth.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical help.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for at least 15 minutes.

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

Take off contaminated clothing and wash it before reuse.

Not applicable

Dispose of contents/container in accordance with local/regional/national/international regulations.

Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture

Chemical Name

Concentration or concentration range

Formula (Molecular weight)

CAS RN

Substance

Paeonol

99.0%

C₉H₁₀O₃ (166.17)

552-41-0

Notice Through Official Gazettes Reference Number (ENCS)	(3)-1252
Notice Through Official Gazettes Reference Number (ISHL)	Official announcement chemistry substance.
PRTR	–
Impurities and/or Additives	Not applicable
4. FIRST AID MEASURES	
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Skin contact	Wash with plenty of water.If symptoms persist, call a physician.
Eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a physician.
Ingestion	Rinse mouth.Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Not available.
Protection of first-aiders	Not available.
Special notes for physicians	Not available.
5. FIRE FIGHTING MEASURES	
Suitable extinguishing media	Water spray (fog), Foam, Extinguishing powder, Carbon dioxide (CO2)
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical product	In the event of a fire, highly toxic decomposed products may be generated.
Special extinguishing method	Not available.
Special protective actions for fire-fighters	Wear self-contained breathing apparatus , protective gloves and eye protection.
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Ensure adequate ventilation.Wear protect clothes while the work.
Environmental precautions	Avoid release to the environment.
Methods and materials for contaminant and cleaning up	Collect spillage appropriately to prevent it from scattering. For waste disposal, see section 13 of the SDS.
Secondary disaster prevention measures	Clean contaminated objects and areas thoroughly to remove residual contamination.
7. HANDLING AND STORAGE	
Handling	Technical measures Safety handling precautions See section 8 of the SDS, perform engineering controls and Do not rough handling containers. Avoid contact and inhalation of dust. Wear protective equipment. Seal the container after use. After handling, wash hands. Contact avoidance Hygiene measures See section 10 of the SDS. After handling, wash hands.
Storage	Safe storage conditions Safe storage conditions Do not take food, drink and smoking while handling. Store in a cool, dark place.Protect from sunlight. Glass.Keep container tightly closed.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Administrative Control Levels	No set up.

Occupational Exposure Limits	Japan Society for Occupational Health ACGIH	No set up. No set up.
Engineering controls		Provide the safety shower facility, and hand and eye-wash facility. Use a local exhaust system
Personal protective equipment	Respiratory protection Hand protection Eye/face protection Skin and body protection	Dust mask Protection gloves Chemical safety goggles Lab Coat, long sleeve work clothes
Special note		Protective equipment should be inspected periodically according to the protective inspection chart.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Physical state	State Colour Odor	Solid White Specific odor
Melting point/freezing point		About 50°C
Boiling point, initial boiling point and boiling range		No data available
Flammability		No data available
Upper/lower flammability or explosive limits		No data available
Flash point		No data available
Auto-ignition temperature		No data available
Decomposition temperature		No data available
pH		No data available
Kinematic viscosity		No data available
Solubilities		Freely soluble in methanol and in diethyl ether, and slightly soluble in water.
n-Octanol/water partition coefficient:(log Pow)		No data available
Vapour pressure		No data available
Specific Gravity / Relative density		No data available
Vapour density		No data available
Particle characteristics		No data available
Other data		No data available

10 . STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Decompose by heat and light.
Hazardous reactions	No data available
Conditions to avoid	High temperature and direct sunlight.
Incompatible materials	No data available
Hazardous decomposition products	No data available

11 . TOXICOLOGICAL INFORMATION

Acute toxicity - Oral	(Oral)LD50 : 490mg/kg (Mouse)
Acute toxicity (Dermal)	No data available
Acute toxicity (Inhalation : gas)	No data available
Acute toxicity (Inhalation : vapours)	No data available
Acute toxicity - Inhalation (Dusts/Mists)	No data available
Skin irritation/corrosion	No data available
Serious eye damage/ irritation	No data available
Respiratory sensitization	No data available
Skin sensitization	No data available
Reproductive cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Reproductive toxicity, effects on or via lactation	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

1 2 . ECOLOGICAL INFORMATION		
Ecotoxicity	Hazardous to the aquatic environment, acute hazard	No data available
	Hazardous to the aquatic environment, long-term hazard	No data available
Persistence and degradability		No data available
Bioaccumulative potential		No data available
Mobility in soil		No data available
Hazard to the ozone layer		No data available
1 3 . DISPOSAL CONSIDERATIONS		
Waste from residues	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Contaminated container and contaminated packaging	Dispose of contents/container in accordance with local/regional/national/international regulations.	
1 4 . TRANSPORT INFORMATION		
International restriction		Not regulated
	UN Number	
	Proper shipping name	
	UN classification (Transport hazard class)	
	Subsidiary hazard class	
	Packing group	
	Marine pollutant	Not applicable
Domestic restriction		
	Marine	Not applicable
	Aviation	Not applicable
	Rail and road	Not applicable
1 5 . REGULATORY INFORMATION		
Industrial Safety and Health Act		Not applicable
Pollutant Release and Transfer Register Law		Not applicable
Poisonous and Deleterious Substances Control Law		Not applicable
Labor Standards Act		Not applicable
Act on the Regulation of Manufacture and Evaluation of Chemical Substances		Not applicable
Fire Service Act		Not applicable
Air Pollution Control Act		Not applicable
Water Pollution Prevention Act		Not applicable
Water Supply Service Act		Not applicable
Sewerage Act		Not applicable
Act on Prevention of Marine Pollution and Maritime Disaster		Not applicable
Act on Waste Management and Public Cleaning		Not applicable
1 6 . OTHER INFORMATION		
Key literature references and sc	NITE: National Institute of Technology and Evaluation (JAPAN): Nite Chemical Risk Information Platform	
	Ministry of Health, Labour and Welfare : GHS model SDS information	
	Japanese Pharmacopoeia	
	Inagaki I(1972)[Phytochemistry] Shokubutukagaku (in Japanese) 4th edition.Ishiyaku Publishers,Inc.	
	National Institutes of Health : PubChem	
	ECHA : Opinion of the Committee for Risk Assessment (RAC) in EU	
This SDS is according to JIS Z 7253: 2019.		
This information in this Safety Data Sheet is designed only as a guidance for handling, and is not to be considered a warranty or quality specification of this product.The information provided is correct to the best of our knowledge, information and belief at the data of its publication and so on. However, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity.		