

Issue date 2023-04-21

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Baicalein
 Product No. 25
 Supplier Name IWASHIMA YAKUHHIN Co., Ltd.
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 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 Skin irritation/corrosion Category 2
 Serious eye damage/ irritation Category 2A
 STOT-single exposure Category 3
 Pictograms



Signal word

Warning

Hazard statements

Causes skin irritation
 Causes serious eye irritation
 May cause respiratory irritation

Precautionary statements

Prevention

Wash hands thoroughly after handling.
 Wear protective gloves and eye protection when using this product.

Do not breathe dust spray.

Use only outdoors or in a well-ventilated area.

Response

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical help.

Take off contaminated clothing and wash it before reuse.

Rinse cautiously with water for at least 15 minutes. Remove

contact lenses, if present and easy to do. Continue

rinsing. If eye irritation persists, get medical help.

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

Get medical advice/attention if you feel unwell.

Storage

Store in a well-ventilated place. Store in a closed container.

Store locked up.

Disposal

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

Other hazards

Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Substance
 Chemical Name Baicalein
 Concentration or concentration range 99.0%
 Formula (Molecular weight) C₁₅H₁₀O₅ (270.24)
 CAS RN 491-67-8
 Notice Through Official —
 Gazettes Reference Number
 (ENCS)

Notice Through Official Gazettes Reference Number (ISHL)	—
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.
Impurities and/or Additives	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 (CO ₂)
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. Do not take food, drink and smoking while handling.
Storage	Safe storage conditions Safe storage conditions 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.
Personal protective equipment	Respiratory protection	Use a local exhaust system
	Hand protection	Dust mask
	Eye/face protection	Protection gloves
	Skin and body protection	Chemical safety goggles
Special note		Lab Coat, long sleeve work clothes
		Protective equipment should be inspected periodically according to the protective inspection chart.
9. PHYSICAL AND CHEMICAL PROPERTIES		
Physical state	State	Solid
	Colour	Yellow
	Odor	Odorless
Melting point/freezing point		About 263°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		Slightly soluble in methanol and in ethanol (99.5), and practically insoluble 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		No data available
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
12. ECOLOGICAL INFORMATION		

Ecotoxicity	Hazardous to the aquatic environment, acute hazard	No data available
	Hazardous to the aquatic environment, long-term	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 sources: 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.		