

Issue date 2023-04-21

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 10-Hydroxy-2-(*E*)-decenoic acid
 Product No. 27-1、 27-2
 Supplier Name IWASHIMA YAKUHIN 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 restric 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
 Pictograms



Signal word Warning
 Hazard statements Causes skin irritation
 Causes serious eye irritation

Precautionary statements
 Prevention

Wash hands thoroughly after handling. Do not touch eyes.
 Wear protective gloves and eye protection when using this product.
 IF ON SKIN: Wash with plenty of water.
 If skin irritation occurs: Get medical help.
 Take off contaminated clothing and wash it before reuse.
 IF IN EYES: Rinse cautiously with water for at least 15 minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 Storage Not applicable
 Disposal Not applicable
 Other hazards Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Substance
 Chemical Name 10-Hydroxy-2-(*E*)-decenoic acid
 Concentration or concentration range 99.00%
 Formula (Molecular weight) C₁₀H₁₈O₃ (186.25)
 CAS RN 14113-05-4
 Notice Through Official (2)-1340
 Gazettes Reference Number
 (ENCS)
 Notice Through Official Official announcement chemistry substance.
 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.
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	See section 8 of the SDS, perform engineering controls and wear protective equipment.
	Safety handling precautions	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	See section 10 of the SDS.
	Hygiene measures	After handling, wash hands. Do not take food, drink and smoking while handling.
Storage	Safe storage conditions	Store in a cool, dark place.Protect from sunlight.
	Safe storage conditions	Glass.Keep container tightly closed.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION		
Administrative Control Levels		No set up.
Occupational Exposure Limits	Japan Society for Occupational Health	No set up.
	ACGIH	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	Dust mask
	Hand protection	Protection gloves
	Eye/face protection	Chemical safety goggles
	Skin and body protection	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	Solid
	Colour	White
	Odor	Odorless
Melting point/freezing point		63~66℃
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		Very soluble in methanol, freely soluble in ethanol (99.5), soluble in diethylether, 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
1 0. 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
1 1. 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
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	UN Number Proper shipping name UN classification (Transport hazard class) Subsidiary hazard class Packing group Marine pollutant	Not regulated Not applicable
Domestic restriction	Marine Aviation Rail and road	Not applicable Not applicable 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 for data etc.	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
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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.