



# SAFETY DATA SHEET

According to JIS Z 7253:2019 **Revision date** 13-Feb-2023 Revision Number 3.06

# Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Nari	ngin			
Product Code	148-	06371			
Manufacturer	1-2 Do Chuo- Phone	ILM Wako Pure Chemic oshomachi 3-Chome ku, Osaka 540-8605, Ja e: +81-6-6203-3741 -81-6-6203-5964	·		
Supplier	FUJIF 1-2 Do Phone Fax: +	ILM Wako Pure Chemic oshomachi 3-Chome, Cl e: +81-6-6203-3741 •81-6-6203-2029	nuo-ku, Osaka 540	0-8605, Japan	
Emergency telephone n Recommended uses and restrictions on use		-6203-3741 / +81-3-327 search use only	0-8571		
	Sectio	on 2: HAZARDS I	DENTIFICAT	ION	
GHS classification Classification of the sub Not a hazardous substance			monized System	(GHS)	
Pictograms Signal word	None				
Hazard statements Not a hazardous subs	tance or mixture a	ccording to the Globally	Harmonized Syste	em (GHS)	
Precautionary statemen • Not applicable Precautionary statemen • Not applicable Precautionary statemen	ts-(Response)				
<ul> <li>Not applicable</li> </ul>					
Precautionary statement     • Not applicable	ts-(Disposal)				
Others Other hazards					
Sec	tion 3: COMF	<b>POSITION/INFOR</b>	MATION ON	INGREDIENTS	
Single Substance or Mix	t <b>ure</b> Subst	ance			
Formula	C27H	32O14∙nH2O			
Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
Naringin	95.0	C27H32O14 = 580.53	N/A	N/A	10236-47-2
Note on ISHL No.:	* in th	e table means announce	ed chemical substa	ances.	

#### Impurities and/or Additives: Not a

Not applicable

# 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

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

#### <u>Storage</u>

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. Polyethylene 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 General hygiene considerations

Dust mask Protection gloves protective eyeglasses or chemical safety goggles Long-sleeved work clothes

Handle in accordance with good industrial hygiene and safety practice.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

White - pale brown

# 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:
Decomposition temperature:
рН
Viscosity (coefficient of viscosity)
Dynamic viscosity
Solubilities
n-Octanol/water partition coefficient:(log Pow)
Vapour pressure
Specific Gravity / Relative density
Vapour density
Particle characteristics

crystals - crystalline powder or mass no data available 170 °C (dec.) no data available Ethanol and acetone : freely soluble . water : slightly soluble . no data available no data available no data available no data available no data available

# Section 10: STABILITY AND REACTIVITY

#### Stability

Reactivity

no data available

Chemical stability May be altered by light. Hazardous reactions None under normal processing Conditions to avoid Extremes of temperature and direct sunlight Incompatible materials Strong oxidizing agents Hazardous decomposition products Carbon monooxide (CO), Carbon dioxide (CO2)

# Section 11: TOXICOLOGICAL INFORMATION

#### Acute toxicity

Skin irritation/corrosion Serious eye damage/ irritation Respiratory or skin sensitization Reproductive cell mutagenicity Carcinogenicity

Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard no data available

no data available no data available no data available no data available no data available

no data available no data available no data available no data available

# Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

No information available

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 Proper shipping name: UN classfication Subsidiary hazard class Packing group	Not regulated -
Marine pollutant	Not applicable
IMDG UN number	Not regulated

Proper shipping name: UN classfication	
Subsidiary hazard class	
Packing group	
Marine pollutant (Sea)	Not applicable
Transport in bulk according to	No information available
Annex II of MARPOL 73/78 and	
the IBC Code	
ΙΑΤΑ	Not regulated
UN number	-
Proper shipping name:	
UN classfication	
Subsidiary hazard class	
Packing group	
Environmentally Hazardous	Not applicable

# Section 15: REGULATORY INFORMATION

International Inventories EINECS/ELINCS TSCA	Listed Listed
Japanese regulations	
Fire Service Act	Not applicable
Poisonous and Deleterious	Not applicable
Substances Control Law	
Industrial Safety and Health Act	Not applicable
Regulations for the carriage	Not applicable
and storage of dangerous	
goods in ship	
Civil Aeronautics Law	Not applicable
Pollutant Release and Transfer	Not applicable
Register Law	
(~2023.3.31)	
Pollutant Release and Transfer	Not applicable
Register Law	
(2023/4/1~) Export Trade Control Order	Not applicable
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

#### Disclaimer

Substance

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 Z7252(2019). \*JIS: Japanese Industrial Standards

End of Safety Data Sheet