



SAFETY DATA SHEET

According to JIS Z 7253:2019

Revision date 15-Feb-2024

Revision Number 5.05

Category 2

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	4,4'-Isopropylidenediphenol	
Product Code	162-05112,166-05115	

Supplier FUJIFILM Wako Pure Chemical Corporation

1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan

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Recommended uses For research use only

Restrictions on useSeek expert judgment when using for purposes other than those recommended.

Section 2: HAZARDS IDENTIFICATION

GHS classification

Classification of the substance or mixture

Serious eye damage/eye irritationCategory 1Skin sensitizationCategory 1Reproductive ToxicityCategory 1B

Specific target organ toxicity (single exposure)

Category 1, Category 3

Category 1 respiratory system
Category 3 Narcotic effects

Specific target organ toxicity (repeated exposure)

Category 2 digestive system, respiratory system

Acute aquatic toxicity
Chronic aquatic toxicity
Category 2
Category 2





Hazard statements
H318 - Causes serious eye damage

H360 - May damage fertility or the unborn child

H336 - May cause drowsiness or dizziness

H317 - May cause an allergic skin reaction

H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

H370 - Causes damage to the following organs: respiratory system

H373 - May cause damage to the following organs through prolonged or repeated exposure: digestive system, respiratory system

Precautionary statements-(Prevention)

- · Obtain special instructions before use
- · Do not handle until all safety precautions have been read and understood

- · Use personal protective equipment as required
- · Contaminated work clothing should not be allowed out of the workplace
- · Wear protective gloves
- Do not breathe dust/fume/gas/mist/vapors/spray
- · Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- · Use only outdoors or in a well-ventilated area
- · Avoid release to the environment

Precautionary statements-(Response)

- IF exposed: Call a POISON CENTER or doctor/physician
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- · Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTER or doctor/physician if you feel unwell
- Collect spillage

Precautionary statements-(Storage)

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

Precautionary statements-(Disposal)

• Dispose of contents/container to an approved waste disposal plant

Others

Other hazards Not available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Substance

Formula (CH3)2C(C6H4OH)2

Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
2,2'-Bis(4-hydroxyphenyl	95.0	228.29	(4)-123	*	80-05-7
)propane					

Note on ISHL No.: * in the table means announced chemical substances.

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

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

Storage

Safe storage conditions

Storage conditions Store away from sunlight in well-ventilated place at room temperature (preferably cool).

Safe packaging material Incompatible substances

Keep container tightly closed. Polyethylene, Polypropylene 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 Dust mask (JIS T 8151)

Hand protection chemical protective gloves (JIS T 8116)

Eye protection protective eyeglasses or chemical safety goggles (JIS T 8147)

Skin and body protection Long-sleeved work clothes

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

If this product is classified as "Chemical Substances Hazardous to Skin, etc.", use appropriate protective equipment to

them.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form

Color white

Appearance crystals or shot no data available Melting point/freezing point 156 - 159 °C Boiling point, initial boiling point and boiling range 360.5 °C Flammability no data available Evaporation rate: no data available Flammability (solid, gas): no data available

Upper/lower flammability or explosive limits

Upper:no data availableLower:no data available

Flash point 207 °C Auto-ignition temperature: 600

Decomposition temperature:no data availablepHno data availableViscosity (coefficient of viscosity)no data available

Dynamic viscosity no data available

Solubilities Ethanol and acetone : free soluble . water : practically

insoluble, or insoluble . 3.32

n-Octanol/water partition coefficient:(log Pow)

Vapour pressure no data available

Specific Gravity / Relative density 1.195

Vapour densityno data availableParticle characteristicsno data available

Section 10: STABILITY AND REACTIVITY

Stability

Reactivity no data available

Chemical stability Stable under recommended storage conditions.

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

	Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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2,2'-Bis(4-hydroxyphenyl)propa	3300 mg/kg (Rat)	>2,000 mg/kg (Rabbit)	> 170 mg/m³ (Rat) 6 h	
110	L	L		
Chemical Name	Acute toxicity -oral- source information	Acute toxicity -dermal- source information	Acute toxicity -inhalation gas source information	
2,2'-Bis(4-hydroxyphenyl)propane Based on the NITE GHS classification results.		Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	
Chemical Name	Acute toxicity -inhalation vapor- source information	Acute toxicity -inhalation dust-	- Acute toxicity -inhalation mist source information	
2,2'-Bis(4-hydroxyphenyl)propa		Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	
Skin irritation/corrosion				
	ical Name		tion source information	
	oxyphenyl)propane	Based on the NITE GHS classi	fication results.	
Serious eye damage/ irritation				
	ical Name	Serious eye damage/irritation source information		
	oxyphenyl)propane	Based on the NITE GHS classi	Based on the NITE GHS classification results.	
Respiratory or skin sensitizati	on			
Chem	ical Name	Respiratory or Skin sens	Respiratory or Skin sensitization source information	
2,2'-Bis(4-hydroxyphenyl)propane		Based on the NITE GHS classi	Based on the NITE GHS classification results.	
Reproductive cell mutagenicit	у			
	ical Name	germ cell mutagencity source information		
2,2'-Bis(4-hydroxyphenyl)propane Based on the NITE GHS classification results.		fication results.		
Carcinogenicity		•		
Chem	ical Name	Carcinogenicity	source information	
2,2'-Bis(4-hydro	oxyphenyl)propane	Based on the NITE GHS classification results.		
Reproductive toxicity				
Chemical Name		Reproductive toxicity source information		
2,2'-Bis(4-hydroxyphenyl)propane		Based on the NITE GHS classification results.		
STOT-single exposure	7/1	•		
	ical Name	STOT -single exposi	ure- source information	
2,2'-Bis(4-hydroxyphenyl)propane		Based on the NITE GHS classification results.		
STOT-repeated exposure	7/1	•		
	ical Name	STOT -repeated expo	sure- source information	
2,2'-Bis(4-hvdr	oxyphenyl)propane	Based on the NITE GHS classi		
Aspiration hazard	7, 7,1	•		

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2,2'-Bis(4-hydroxyphenyl)propa	EC50:Pseudokirchneriella	LC50:Pimephales promelas	EC50 : Mysidopsis bahia
ne	subcapitata	3.6 - 5.4 mg/L 96 h	1.1 mg/L 96h
	2.5 mg/L 96 h		

Other data

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Chemical Name	Short-term (acute) hazardous to the	Long-term (chronic) hazardous to the
	aquatic environment source information	aquatic environment source information
2,2'-Bis(4-hydroxyphenyl)propane	Based on the NITE GHS classification	Based on the NITE GHS classification
	results.	results.

Persistence and degradability No information available

Chemical Name

2,2'-Bis(4-hydroxyphenyl)propane

Aspiration Hazard source information

Based on the NITE GHS classification results.

Bioaccumulative potential

Mobility in soil

No information available No information available Hazard to the ozone layer

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations.

No information available

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 UN3077

Environmentally hazardous substance, solid, n.o.s. (2,2'-Bis(4-hydroxyphenyl)propane) Proper shipping name:

UN classfication

Subsidiary hazard class

Ш Packing group Marine pollutant Yes

IMDG

UN number UN3077

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (2,2'-Bis(4-hydroxyphenyl)propane)

UN classfication

Subsidiary hazard class

Ш Packing group Marine pollutant (Sea) Yes

No information available Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

ΙΔΤΔ

UN number UN3077

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (2,2'-Bis(4-hydroxyphenyl)propane)

UN classfication

Subsidiary hazard class

Packing group Ш **Environmentally Hazardous** Yes

Substance

Section 15: REGULATORY INFORMATION

Japanese regulations

Fire Service Act Not applicable **Poisonous and Deleterious** Not applicable **Substances Control Law**

Industrial Safety and Health Act Not applicable

Industrial Safety and Health Act (

[2024.4.1~] Harmful Substances Whose Names Are to be Indicated on the Label (Law Art.57)

2024~) 【2024.4.1~】Notifiable Substances (Law Art.57-2)

[2024.4.1~] Chemical Substances Hazardous to Skin, etc.(Regulations Article 594-2 Paragraph 1) Priority Assessment Chemical Substances (Law Article 2, Para.5)

Act on the Evaluation of **Chemical Substances and** Regulation of Their

Manufacture, etc

Regulations for the carriage

and storage of dangerous

goods in ship

Noxious Substances (Ordinance Art.3, Ministry of Transportation Ordinance Regarding

Transport by Ship and Storage, Attached Table 1)

Civil Aeronautics Law Misellaneous Dangerous Substances and Articles (Ordinance Art.194, MITL Nortification

for Air Transportation of Explosives etc., Attached Table 1)

Pollutant Release and Transfer Class 1

Register Law (2023.4.1-)

Class 1 - No. 37

Export Trade Control Order Not applicable

Air Pollution Control Law Hazardous Air Pollutants

Industrial Safety and Health Law

Law Name	Chemical Name in Regulation	Weight %	
Notifiable Substances (Law Art.57-2)	4,4'-isopropylidenediphenol	95.0	2024/4/1
	(alias: bisphenol A)		

Chemical Name	Poisonous and Deleterious Substances Control Law	Industrial Safety and Health Act Substances (Law Art.57-2)	Pollutant Release and Transfer Register Law (2023.4.1-)
2,2'-Bis(4-hydroxyphenyl)propane 80-05-7 (95.0)	-	-	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

Record of SDS revisions Disclaimer

The following contents were revised. Regulatory information.

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 Z 7252:2019. *JIS: Japanese Industrial Standards

End of Safety Data Sheet