



# Safety Data Sheet

This safety data sheet complies with the requirements of:  
JIS Z 7253:2019

Revision Date 2021-02-06  
Revision Number 7

## 1. Identification

**Product Name** Control Slide  
**Product Code** SD1816  
**CAS-No** 8002-74-2  
**Registration number** No information available  
**Details of the supplier of the safety data sheet**

### Supplier

Japan:

Takara Bio Inc.

Nojihigashi 7-4-38

Kusatsu, Shiga 525-0058, Japan

Phone: +81.77.565.6972

Web: www.takara-bio.com

China:

Takara Biomedical Technology (Beijing) Co., Ltd.

Life Science Park, 22 KeXueYuan Road, Changping District,

Beijing 102206, China

Phone: +86 10 8072 0980

Web: www.takarabiomed.com.cn

**Emergency telephone number** In case of emergency, call PERS (Professional Emergency Resource Services)  
1-800-633-8253 (US) or 801-629-0667 (international).

### Recommended use of the chemical and restrictions on use

**Identified uses** For research use only. Not for use in diagnostic procedures

**Restrictions on use** No information available

## 2. Hazard(s) identification

### GHS Classification

Acute toxicity - Oral	Classification not possible
Acute toxicity - Dermal	Classification not possible
Acute toxicity - Inhalation (Gases)	Classification not applicable
Acute toxicity - Inhalation (Vapors)	Classification not possible
Acute toxicity - Inhalation (Dusts/Mists)	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/eye irritation	Classification not possible
Respiratory sensitization	Classification not possible
Skin sensitization	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Effects on or via lactation	No effects on or via lactation
Specific target organ toxicity (single exposure)	Category 3
Category 3 Target organ effects: Respiratory irritation.	
Specific target organ toxicity (repeated exposure)	Classification not possible
Aspiration hazard	Classification not possible
Acute aquatic toxicity	Classification not possible
Chronic aquatic toxicity	Not classified chronic
Ozone	Classification not possible

GHS label elements**Signal word**

Warning

**Hazard Statements**

May cause respiratory irritation. May cause drowsiness or dizziness

**Prevention**

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area

**Response**

- Not applicable
- IF INHALED: Remove person to fresh air and keep comfortable for breathing
- Call a POISON CENTER or doctor if you feel unwell

**Storage**

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

**Disposal**

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

**Other hazards**

May be harmful in contact with skin.

<b>3. Composition/information on ingredients</b>
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**Pure substance/mixture**

Mixture

**CAS-No**

8002-74-2

Chemical name	CAS No	Weight-%	ENCS Inventory	ENCS Number	ISHL Inventory	ISHL No
Paraffin wax	8002-74-2	60 - 100	Existing	(8)-430,(8)-414,(2)-10	Existing	(8)-430,(8)-414,(2)-10

**Pollutant Release and Transfer Registry (PRTR)**

Not applicable

**Industrial Safety and Health Law**ISHL Notifiable Substances

ISHL Notifiable Substances - information (safety data sheet) to be supplied; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57-2 and ISHL Ordinance Article 34-2-4)

Chemical name	CAS No	Category	Ordinance number	Content rate %
Paraffin wax	8002-74-2	ISHL Notifiable Substances	170	90 - 100

Harmful Substances Whose Names Are to be Indicated on the Label

Harmful Substances - names to be indicated on the label; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57 and ISHL Ordinance Article 33)

Chemical name	CAS No	Category	Ordinance number	Content rate %
Paraffin wax	8002-74-2	Harmful Substances Whose Names Are to be Indicated on the Label	170	90 - 100

**Poisonous and Deleterious Substances Control Law**

Not applicable

**4. First-aid measures**

<b>In case of inhalation</b>	Remove to fresh air.
<b>In case of skin contact</b>	Wash skin with soap and water.
<b>In case of eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>In case of ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b>Most important symptoms/effects, acute and delayed</b>	No information available.
<b>Note to physicians</b>	Treat symptomatically.

**5. Fire-fighting measures**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	No information available.
<b>Special Extinguishing Media Large Fire</b>	Cool drums with water spray. CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.
<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Pick up and transfer to properly labeled containers.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and storage****Handling**

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage</b>	
<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

<b>Engineering controls</b>	Showers Eyewash stations Ventilation systems.
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### Exposure guidelines

Chemical name	Japan Society of Occupational Health	ISHL Working Environmental Evaluation Standards - Administrative Control Levels	ACGIH TLV
Paraffin wax 8002-74-2	-	-	TWA: 2 mg/m <sup>3</sup>

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

**Environmental exposure controls** No information available.

### Personal Protective Equipment

#### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### Eye/face protection

No special protective equipment required.

#### Skin and body protection

No special protective equipment required.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Flakes
<b>Physical state</b>	Solid
<b>Color</b>	No information available
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available

### Property

#### Values

#### Remarks • Method

<b>Melting point / freezing point</b>		No information available
<b>Boiling point/boiling range (°C)</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Upper/lower flammability or explosive limits</b>		
Upper flammability limit:		
Lower flammability limit:		
<b>Flash point</b>		ASTM D 56
<b>Evaporation Rate</b>		No information available
<b>Autoignition temperature</b>	350 °C / 662 °F	No information available
<b>Decomposition temperature</b>		No information available
<b>pH</b>		No information available
<b>Viscosity</b>		
Kinematic viscosity		No information available
Dynamic Viscosity		No information available
<b>Water solubility</b>		No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition Coefficient (n-octanol/water)</b>		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Relative density</b>		No information available
<b>Particle characteristics</b>		
Particle Size		Not applicable

**Particle Size Distribution**

Not applicable

**Other information**

**Explosive properties** No information available  
**Oxidizing properties** No information available

**10. Stability and reactivity**

**Reactivity** No information available.  
**Chemical stability** Stable under normal conditions.  
**Possibility of hazardous reactions** None under normal processing.  
**Incompatible materials** None known based on information supplied.  
**Hazardous Decomposition Products** None known based on information supplied.  
**Explosion Data**  
**Sensitivity to static discharge** None.  
**Sensitivity to mechanical impact** None.

**11. Toxicological information****Acute toxicity****Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 5,055.60 mg/kg  
**ATEmix (dermal)** 3,640.00 mg/kg

1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Paraffin wax	> 5000 mg/kg ( Rat )	> 3600 mg/kg ( Rabbit )	-

*Abbreviations and acronyms**Rat: Rat**Rabbit: Rabbit*

**Symptoms** No information available.

**Product Information**

**Ingestion** Specific test data for the substance or mixture is not available.

**Inhalation** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin corrosion/irritation** Based on available data, the classification criteria are not met. Classification not possible.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met. Classification not possible.

**Respiratory or skin sensitization** Classification not possible.

<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Target organ effects</b>	Respiratory system. Eyes. Skin.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met. Classification not possible.

## 12. Ecological information

<b>Ecotoxicity</b>	Classification not possible.
<b>Percentage for unknown hazards</b>	0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.
<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Hazardous to the ozone layer</b>	Classification not possible. Based on available data, the classification criteria are not met.
<b>Other adverse effects</b>	No information available.

## 13. Disposal considerations

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.

## 14. Transport information

<b><u>IMDG</u></b>	Not regulated
<b><u>ADR</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>Japan</u></b>	Not regulated

## 15. Regulatory information

### National regulations

**Pollutant Release and Transfer Registry (PRTR)**

Not applicable

**Industrial Safety and Health Law****Harmful Substances Whose Names Are to be Indicated on the Label**

Harmful Substances - names to be indicated on the label; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57 and ISHL Ordinance Article 33)

**ISHL Notifiable Substances**

ISHL Notifiable Substances - information (safety data sheet) to be supplied; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57-2 and ISHL Ordinance Article 34-2-4)

**Poisonous and Deleterious Substances Control Law**

Not applicable

**Fire Service Law:**

Not applicable

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (CSCL)**

Not applicable

**Act on Prevention of Marine Pollution and Maritime Disaster**

Not applicable

**International Regulations****The Stockholm Convention on Persistent Organic Pollutants** Not applicable**The Rotterdam Convention** Not applicable**International Inventories****IECSC****Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**16. Other information****Revision Date**

2021-02-06

**Revision Note**

No information available.

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	Time weighted average	Ceiling	Maximum limit value
*	Skin designation	+	Sensitizers

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Chemicals Agency

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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**End of Safety Data Sheet**