SAFETY DATA SHEET

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: **D-800**

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Raw material for cosmetic products and others

1.3. Details of the supplier of the safety data sheet:

Name of manufacturer(Supplier):	Toshiki Pigment Co., Ltd.
Address:	2420, Shimookamoto-cho, Utsunomiya, Tochigi 329-1104, Japan
Telephone number:	+81 (0)28-673-6028
Fax number:	+81 (0)28-673-6826

1.4. Emergency telephone number: +81 (0)28-673-6051

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with GHS:

Physical	Not Classified
Health	Eye Irrit. 2; H320
Environmental	Not Classified

2.2. Label elements:

In accordance with GHS:

Hazard Pictogram(s): Not Required

Signal word: Warning

Hazard statement(s):

H320 Causes eye irritation

Precautionary statement(s):

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritaion persists: Get medical advice/attention.

2.3. Other hazards No information

Section 3: Composition/ information on ingredients

3.1. Substance

Product identifier (Product name): **D-800**

Information on ingredients:

Chemical name or INCI* name	CAS No.	EC No.	Wt. %	Index No.**
HDI/Trimethylol Hexyllactone Crosspolymer	129757-76-2	Polymer	95.5–96.5	—
Silicon dioxide	7631-86-9, 112945-52-5	231-545-4	3.5–4.5	—

* International Nomenclature of Cosmetic Ingredients

** Index number: Table 3.1 and 3.2 in ANNEX VI of Regulation (EC) No 1272/2008.

Section 4: First aid measures

4.1. Description of necessary first-aid measures

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If you feel unwell, get medical attention.

IF ON SKIN: Take off contaminated clothing and wash before reuse.
If skin irritation or rush occurs, get medical attention.
Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

IF INGESTED: Rinse mouth thoroughly. Get medical attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed.

Cough if inhaled, roughness if on skin, irritation if in eyes.

4.3. Indication of any immediate medical attention and special treatment needed.

In order to prevent secondary exposure, first-aiders should wear suitable protective gloves/protective clothing/eye and face protection.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use dry chemical powder, carbon dioxide, foam or water.
Use extinguishing media suitable for surrounding fire.

Unsuitable extinguishing media: Direct discharge of cylinder shape water.

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of gases or fumes because combustion gas may contain toxic gases, e.g. carbon monoxide.
Containers may explode if heated

5.3. Advice for firefighters

Cut off ignition sources and extinguish by a suitable method. Cut off air by fire foam is effective.
Take action from windward and keep non-responsible personnel off.
Spray water mist against surroundings so that spread of fire can be avoided.
Immediately move container if possible. Take preventive measures so that the product or chemical substances will not be released into rivers because of fire and discharge of water.
Wear suitable personal protective equipment including self-contained respirator and chemical-proof safety clothing.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: For non-emergency personnel:

For emergency responders:

Wear suitable personal protective equipment (see Section 8 Exposure controls/ personal protection) to avoid eye and skin contact and inhalation of dust/mist.

6.2. Environmental precautions

Do not release to the environment. Avoid emission into drain, sewer, basement or closed place.

6.3. Methods and material for containment and cleaning up

In case of small spill, collect by vacuum or sweep up so as to avoid generation of dust.
Remained small spill is wiped off by a dust cloth.
For large spill, cover the spilled area by an embankment so that emission into rivers or sewers can be avoided followed by collection in a closed container using spark free safety shovel.
Take similar measures to a small spill after the collection of spill.

6.4. Reference to other sections

Refer to “Section 8 Exposure controls/ personal protection” and “Section 13 Disposal consideration” as appropriate.

Section 7: Handling and storage

7.1. Precautions for safe handling

Containment and measures for safe handling:

Avoid skin and eye contact and accidental ingestion. Wash hands thoroughly after handling.

Incompatible substances or mixture:

Refer to section 10 “Stability and Reactivity”.

7.2. Conditions for safe storage, including any incompatibilities

Install necessary lighting devised and ventilation suitable for handling and keeping dangerous products.
Storage of the product in a cool and well ventilated place, and keep away from incompatible and flammable materials.
Although no regulation on containers or packing is applicable, use closed and damage-proof container.

7.3. Specific end use(s) Raw material for cosmetic products

Section 8: Exposure controls/ personal protection

8.1. Control parameters

Administrative vale: Not established

Occupational Exposure Limits:

	JSOH (2020)		ACGIH TLV-TWA
	Respirable dust	Total dust	(2015)
(PNOC)	Class 3 dust		10 mg/m^3
	2 mg/m^3	8 mg/m^3	

8.2. Exposure controls

Appropriate engineering controls:

Closed devices or container should be used if possible.
Install eye waster and safety shower near handling place.

Individual protection measures, such as personal protective equipment:

Hand protection: Use suitable protective gloves if risk of skin contact is concerned.

Eye/ face protection: Wear suitable eye protection. If skin contact due to splashing mists or spray is concerned, wear chemical proof goggle and/or face shield.

Good hygiene measures:

Wear suitable protective clothing and safety shoes.
Wash hands thoroughly after handling.

Environmental exposure controls:

Avoid release to the environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	White powder
Odour:	Almost odourless
pH	No data
Melting point:	No data
Initial boiling point:	No data
Flash point:	Not combustive
Flammability:	Flammable
Explosive Limits:	Not applicable
Vapor pressure:	No data
Relative density:	1.1 – 1.2
Solbility:	Not soluble in water, swelling or partially soluble in organic solvents.
Partition coefficient:	Not applicable

Decomposition temperature: ca 290 ºC

Section 10: Stability and reactivity

10.1. Reactivity: Not reactive under normal storage conditions.

10.2. Chemical stability: Stable under normal and anticipated storage conditions.

10.3. Possibility of hazardous reactions: Not expected.

10.4. Conditions to avoid: Not information.

10.5. Incompatible materials: Oxidising agents.

10.6. Hazardous decomposition products: Carbon monoxide, Carbon dioxide.

Section 11: Toxicological information

*The following is the information by reference, etc..

11.1. Information on toxicological effects

Information on product: No information

Information on ingredient:

Acute toxicity:	[D-400]	Oral-rat	LD_{50} >5 g/Kg
Skin corrosion/ irritation:	[D-400]	Not irritating in a rabbit study	
Serious eye damage/eye irritation:	[D-400]	Mild irritation in a rabbit study	
Respiratory sensitisation:	No information.		
Skin sensitisation:	No information.		
Germ cell mutagenicity:	No information.		
Carcinogenicity:	No information.		
Reproductive toxicity:	No information.		
Specific target organ toxicity-single exposure:	No information.		
Specific target organ toxicity-repeated exposure:	No information.		
Aspiration hazards:	No information.		

Section 12: Ecological information

*The following is the information by reference, etc..

12.1. Toxicity:

Information on product: No information.

Aquatic toxicity-acute [Silica] Fish (Zebrafish) 96-h LC_{50} > 10,000 mg/L (OECD TG 203)

Crustacea (Daphnia magna) 24-h EC_{50} > 10,000 mg/L (OECD TG202)

Aquatic toxicity-chronic: No information.

12.2. Persistence and degradability:

Information on product: No information.

12.3. Bioaccumulative potential: No information.

12.4. Mobility in soil: No information.

12.5. Results of PBT and vPvB: This product does not contain PBT and vPvB.

12.6. Other adverse effects: No information.

Section 13: Disposal consideration

13.1. Waste treatment methods

Dispose of the product and its container in accordance with all applicable regulations.

Do not incinerate by your self because toxic gases may generate but consult to a certificated industrial waste trader or a local office if they deal with waste.
Used containers should be recycles after cleaning or dispose of in accordance with related laws and applicable local standards.
Remaining contents should be removed completely upon disposal.

Section 14: Transport information

14.1. UN number: Not allocated

14.2. UN proper shipping name: Not allocated

14.3. Transport hazard class(es): Not allocated

14.4. Packing group: Not allocated

14.5. Environmental hazards: Not allocated

14.6. Special precautions for user

Ensure no leakage on packaging and load the product by taking preventive measures to avoid collapse, invasion, fall or damaging of container.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code Not applicable

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture

The product and its ingredients are not regulated by specific provisions related to protection of human health or the environment at EU level, e.g. not considered as SVHCs or POPs.

15.2. Inventories：

	TSCA (USA)	DSL/NDSL (Canada)	AICS (Australia)	ECL (Korea)	IECSC (China)	NZIoC (New Zealand)	PICCS (Philippine)	TCSI (Taiwan)
HDI/Trimethylol Hexyllactone Crosspolymer	PMN exempt	Listed(NDSL)	Listed	KE-27482	Listed	Listed	Listed	Listed
Silica	Listed	Listed(DSL)	Listed	KE-31248	Listed	Listed	Listed	Listed
	Listed	Listed(DSL)	Listed	KE-32733	Listed	Listed	Listed	Listed

Section 16: Other information

Update history:

Date of issue: 23th March, 2001
Date of revision: 10th June, 2021

References

1) Total data on chemical substances required SDS specified by the PRTR Law
2) Total data on chemical substances required SDS specified by the Industrial Safety and Health Law
3) Japan Society for Occupational Health (2020)
4) NITE Chemical Risk Information Platform (CHRIP)
5) SDS prepared by the manufacturers of ingredients
6) International Chemical Safety Cards (ICSC)
7) Ministry of Health, Labour and Welfare anzeninfo (Web Site)
8) The GHS Mixture Classification System ["METI , Japan"]
9) TSCA (Toxic Substances Control Act)
https://iaspub.epa.gov/sor_internet/registry/substreg/LandingPage.do
10) EC# (EINECS : The European INventory of Existing Commercial chemical Substances)
https://echa.europa.eu/information-on-chemicals/ec-inventory

11) CEPA1999 (The Canadian Environmental Protection Act, 1999)
https://pollution-waste.canada.ca/substances-search/Substance?lang=en
12) AICS (The Australian Inventory of Chemical Substances)
https://www.industrialchemicals.gov.au/search-inventory
13) ECL (Korea Existing and Evaluated Chemical Substances Inventory)
http://ncis.nier.go.kr/en/mttrList.do
14) IECSC (Inventory of Existing Chemical Substances in China)
http://apciss.cirs-group.com/
15) Inventory of Existing Chemical Substances in China 2013 (IECSC 2013)
16) NZIoC (New Zerland Inventory of Chemicals)
https://www.epa.govt.nz/database-search/new-zealand-inventory-of-chemicals-nzioc/
17) PICCS(Philippine Inventory of Chemicals and Chemical Substances)
http://chemical.emb.gov.ph/?page_id=138
18) Taiwan Chemical Substance Inventory (TCSI)
http://csnn.osha.gov.tw/content/home/Substance_Home.aspx
19) List of regulations etc. of major chemical substances 2018 (CD-ROM)

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