

Date of issue for the 1st edition : 14/05/2021

Safety Data Sheet**扫码联系****产品经理:****1. Identification of the substance/mixture and of the company/undertaking**

Product identifier:

Product name: DWB-Z 001A WHITE

Product code (SDS NO): G3001061_E2-1

Details of the supplier of the safety data sheet

Manufacturer/Supplier: NIKKO BICS CO., LTD.

Address: 2-3-8 NIHONBASHI HORIDOME-CHO, CHUO-KU, TOKYO 103-0012 JAPAN

Division: SDS support

Telephone number: 81-3-6897-8311

Emergency telephone number: 81-47-497-1371

2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

HEALTH HAZARDS

Serious eye damage/eye irritation: Category 2B

Carcinogenicity: Category 2

(Note) GHS classification without description: Not classified/Classification not possible

Label elements



Signal word: Warning

HAZARD STATEMENT

Causes eye irritation

Suspected of causing cancer

3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

Ingredient name: Titanium dioxide

Content (%): 72.5 – 77.5

Chemicals No, Japan: 1-558

CAS No.: 13463-67-7

Ingredient name: Glycerin

Content (%): 2.5 – 7.5

Chemicals No, Japan: 2-242

CAS No.: 56-81-5

Ingredient name: Additive

Content (%): 1 – 5

Chemicals No, Japan: Trade secret

CAS No.: Trade secret

Ingredient name: Water

Content (%): 15 – 20

CAS No.: 7732-18-5

Note : The figures shown above are not the specifications of the product.

Components contributing to the hazard

Component(s) come under Labeling, etc. article of Industrial Safety and Health Act, Japan

Titanium dioxide

Component(s) come under Deliver of Documents, etc. article of Industrial Safety and Health Act, Japan

Titanium dioxide

Not contain Component come under Harmful Substances article of PRTR Law, Japan

4. First-aid measures

Descriptions of first-aid measures

General measures

IF exposed or concerned: Get medical advice/attention.

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Wash with soap and water.

IF IN EYES

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

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Seek medical advice immediately and show this container or label.

Rinse mouth with water.

Protective measures for first aid

Protect yourself by wearing rubber gloves and air-tight safety goggles.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use water mist, foam, dry powder, CO2 to extinguish.

Use appropriate extinguishing media suitable for surrounding facilities.

Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Shut off fuel to fire if possible to do so without hazard.

Keep personnel removed from and upwind of fire.

Be careful not to spill the material into the environment during firefighting measures.

Special protective equipment and precautions for fire-fighters

Firefighters should wear proper protective equipment.

6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Keep unauthorized personnel away.

Wear proper protective equipment.

Be careful not to slip on spilled area.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

For large spill, dike for later disposal.

Preventive measures for secondary accident

Prepare extinguishers before catching fire.

Stop leak if you can do it without risk.

Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear proper protective equipment.

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Do not empty into drains.

Avoid rough handling or dropping.

Advice on general occupational hygiene

Wash contaminated parts thoroughly after handling.

Wash hands before breaks and at the end of work.

Gargle before breaks and at the end of work.

Storage

Conditions for safe storage

Store locked up.

Store in a dry place. Store in a closed container.

(Incompatible storage condition)

Keep away from heat.

Do not expose to direct sunlight.

8. Exposure controls/personal protection

Control parameters

Control value in MHLW is not available.

Adopted value

(Titanium dioxide)

JSOH(Class 2 dust) (respirable dust) 1mg/m³; (total dust) 4mg/m³

(Titanium dioxide)

ACGIH(1992) TWA: 10mg/m³ (LRT irr)

Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Individual protection measures

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Wear suitable gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear suitable protective clothing.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Color: white

Odor: Characteristic odor

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH data is not available.

Density and/or relative density: 2.3

10. Stability and Reactivity

Chemical stability

This product is considered a stable material under normal and anticipated storage and handling conditions.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Acute toxicity (Oral)

[GHS Cat. Japan, base data]

(Titanium dioxide)

rat LD50 >5000mg/kg (SIDS, 2015)

Acute toxicity (Dermal)

[GHS Cat. Japan, base data]

(Titanium dioxide)

hamster LD50 >10000mg/kg (HSDB, Access on May 2016)

Acute toxicity (Inhalation)

[GHS Cat. Japan, base data]

(Titanium dioxide)

dust: rat LC50 >5.09mg/L (SIDS, 2015)

Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenicity

[GHS Cat. Japan, base data]

(Titanium dioxide)

cat.2; IARC Gr. 2B (IARC 93, 2010 et al.)

(Titanium dioxide)

IARC-Gr.2B : Possibly carcinogenic to humans

(Titanium dioxide)

ACGIH-A4(1992) : Not Classifiable as a Human Carcinogen

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT-single exposure data is not available.

STOT-repeated exposure

[cat.1]

[GHS Cat. Japan, base data]

(Titanium dioxide)

respiratory system (SIDS, 2015)

Aspiration hazard data is not available.

12. Ecological Information

Ecotoxicity

Aquatic toxicity

Hazardous to the aquatic environment (Acute)

[GHS Cat. Japan, base data]

(Titanium dioxide)

Crustacea (Daphnia magna) EL50 > 100mg/L/48hr (SIDS, 2015)

Water solubility

(Titanium dioxide)

none (ICSC, 2002)

(Glycerin)

miscible (ICSC, 2006)

Persistence and degradability

Persistence and degradability data is not available.

Bioaccumulative potential

(Glycerin)

log Pow=-1.76 (ICSC, 2006)

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Do not dump into sewers, on the ground or into any body of water.

Use appropriate containment to avoid environmental contamination.

14. Transport Information

UN No., UN CLASS

Class or division (Transport hazard class): Not applicable

Special precautions for user

Protect from direct sunlight or rain.

15. Regulatory Information

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

Industrial Safety and Health Act, Japan

Chemical Substances requiring Labeling and Deliver of Documents, etc.

Labeling, etc.

Titanium dioxide

Report required substances

Titanium dioxide

The product is not applicable to Pollution Release and Transfer Register (PRTR) law, Japan

The product is not applicable to Fire Service Act, Japan

16. Other information

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2020 TLVs and BEIs. (ACGIH)
JIS Z 7253 : 2019
Supplier's data/information

General Disclaimer

This document describes hazardous and harmful character at the shipping form.
The data given here is based on current knowledge and experience. The purpose of this
Safety Data Sheet is to describe the products in terms of their safety requirements. The
data does not signify any warranty with regard to the products' properties.