

SAFETY DATA SHEET

Section 1: Identification

Product identifier used on the label;

Product name: EBW-WN

Other means of identification;

No information

Recommended use of the chemical and restrictions on use;

Recommended use: Water-based acrylic coating for interior & exterior use

Restrictions on use: No information

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party;

Name: SHIKOKU CHEMICALS CORPORATION

Department in Charge:

Address: 8-537-1, Doki-cho-Higashi, Marugame, Kagawa 763-8504
Japan

Telephone number: +81-877-22-4111

Fax number: +81-877-25-0411

e-mail address:

Emergency phone number

CHEMTREC (24h): +1-800-424-9300 (available from US and Canada) or +1-703-527-3887

Section 2: Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Physical Hazards

Not classified

Health Hazards

Serious eye damage Category 2

Carcinogenicity: Category 2

Environmental Hazards

Not classified

Other Hazards

No information

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200;

Symbol(s)



Signal word

Hazard Statement(s)

Precautionary Statement(s)

[Prevention]

[Emergency response]

[Storage]

[Disposal]

Warning

Causes serious eye irritation
Suspected of causing cancer

Wash thoroughly after handling

Obtain special instructions before use.

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

Wear protective gloves/protective clothing/eye protection/face protection.

If exposed or concerned: Get medical advice/attention.

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.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Description of any hazards not otherwise classified;

No information

Ingredient with unknown acute toxicity in the mixture

Not applicable

Section 3: Composition/information on ingredients

Compositions (contents of the product)

Chemical name	CAS No.	Concentration/concentration ranges (wt %)
Acrylic copolymer	-	18-25 (solid content)
Water	7732-18-5	35-45
Inorganic powder (Calcium carbonate)	471-34-1	20-30
Inorganic pigment (Titanium dioxide)	13463-67-7	<10
Organic additive (HEC), etc.	9032-42-2, etc.	<5

Section 4: First-aid measures

Necessary first-aid measures by relevant routes of exposure;

IF INHALED

Remove victim to fresh air and gargle with water, immediately. If symptoms continue, call a doctor/physician.

IF ON SKIN

Wash affected area with plenty of water or lukewarm water

and soap. If symptoms continue, call a doctor/physician.
IF IN EYES Immediately rinse cautiously with water for 15 - 20 minutes.
Remove contact lenses, if present and easy to do. Continue
rinsing. If symptoms continue, call a doctor/physician.
IF SWALLOWED Rinse mouth. Immediately get medical advice/attention.

Most important symptoms/effects, acute and delayed;

Suspected of causing cancer

Indication of immediate medical attention and special treatment needed, if necessary;

Wear appropriate eyes and skin protective equipment.

Section 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media;

Suitable extinguishing media:

Use plenty of water, dry chemical powder or fire foam.

Unsuitable extinguishing media

Applying direct water may be dangerous because fire may expand to surroundings.

Specific hazards arising from the chemical;

This product itself is non-flammable, but if dried, solid is flammable.

Packaging material is a combustible material.

Special protective equipment and precautions for fire-fighters;

Extinguish with a large amount of water or common powder extinguishing agent.

Wear air respirator, protective gloves, protective glasses, etc. or appropriate protective equipment.

Take action from windward.

Keep out except responsible personnel.

Move container to a safe area if it can be done without risk.

Section 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures;

Keep out except responsible personnel.

Wear suitable protective equipment described in "Section 8: Exposure controls/personal protection".

Avoid release into the environment because product may cause local effects.

Methods and materials for containment and cleaning up;

Stop leak if you can do it without risk.

Sweep up scattered materials or vacuum them using a vacuum cleaner so as not to cause dust then collect them into an empty sealed container.

In case of small amounts, wipe off spilled material with waste or wiping cloth and collect it in an adequate waste container.

If case of large amounts, prevent leakage and enclose by embankment.

Do not eat or drink near handling and storage locations.
Prevent to flowing into drains, sewers, basements or closed areas.

Section 7: Handling and storage

Precautions for safe handling

Protective measures:

Install appropriate equipment and wear suitable protective apparatus described in "Section 8: Exposure controls/personal protection".
Keep away from the fire. Do not wet in water.
Do not eat, drink or smoke when using this product.
Wash contaminated clothing before reuse.

Advice on general occupational hygiene:

Wash hands and face thoroughly and gargle the throat after handling.
Take off contaminated clothing and wash it before reuse.

Conditions for safe storage, including any incompatibilities

Technical measures:

In the storage area, install adequate light and local exhaust ventilation systems to handle hazardous materials.

Incompatible materials:

No information

Conditions for safe storage:

Avoid sunlight, high temperature and high humidity. Store in well-ventilated and cool place.

Packing material:

Outer packaging: cardboard box. Inner packaging: polyethylene bag

Section 8: Exposure controls/personal protection

Occupational Exposure Limits;

OSHA PEL	15 mg/m ³ (Titanium dioxide)(Total dust) 200 ppm (Methyl alcohol)
ACGIH TLV-TWA (2014)	10 mg/m ³ (Titanium dioxide) 200 ppm (Methyl alcohol)
ACGIH TLV-STEL (2014)	250 ppm (Methyl alcohol)

Appropriate engineering controls;

When construction, provide adequate ventilation such as opening the window.

Individual protection measures, such as personal protective equipment;

Respiratory protection	Wear appropriate protective mask or air aspirator.
Hand protection	Wear protective rubber gloves.

Eye protection	Wear safety glasses or goggles.
Skin and body protection	Wear long-sleeved work clothes, disaster prevention surface and boots if necessary.

Section 9: Physical and chemical properties

Appearance (physical state, color, etc.)	White liquid
Odor	Acrylic odor
Odor threshold	No information
pH	7-10
Melting point/freezing point	No information
Initial boiling point and boiling range	No information
Flash point	No information
Evaporation rate	No information
Flammability (solid, gas)	No information
Upper/lower flammability or explosive limits	No information
Vapor pressure	No information
Vapor density	No information
Relative density	No information
Solubility (ies)	No information
Partition coefficient: <i>n</i> -octanol/water	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information

Other information

No information

Section 10: Stability and reactivity

Reactivity

Stable under normal handling condition.

Chemical stability

Stable under normal handling condition.

Possibility of hazardous reactions

No information

Conditions to avoid

Avoid water, moisture and direct sunlight.

Incompatible materials

No information

Hazardous decomposition products

No information

Section 11: Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics;

Information on product:

No information

Information on ingredients:

Titanium dioxide

Acute toxicity (oral):

Rat LD₅₀ > 20,000 mg/kg

Acute toxicity (dermal):

Rabbit approx. LD₅₀ > 10,000 mg/kg

Acute toxicity (inhalation: dust/mist):

Rat LC > 6.82 mg/L/4h

Serious eye damage/irritation:

"Mild irritation" in a rabbit test. As relevant information, there is a result of "not irritating" in another test where the eyes were irrigated at 5 minutes after application.

Carcinogenicity:

Since IARC classified the substance into "Group 2" based on the data for ultrafine grades of titanium dioxide (particle size of 10-50 nm) (IARC Monograph vol. 93, in preparation). In 103-week feeding tests in rats and mice, it was concluded that the substance was not carcinogenic for both species. Chronic inhalation of ultrafine grades of titanium dioxide produced an increased incidence of lung tumors in rats but not in mice. In contrast, the available case reports and epidemiological tests do not show clear evidence for this relationship with the substance.

Delayed and immediate effects and also chronic effects from short- and long-term exposure;

Suspected of causing cancer

Numerical measures of toxicity (such as acute toxicity estimates);

Not applicable

Whether the chemical is listed in the NTP Report on Carcinogens or has been found to be a potential carcinogen in the IARC Monographs, or by OSHA;

IARC: Group 2B (Titanium dioxide)

NTP Report: Not listed

OSHA: Not listed

Section 12: Ecological information

Ecotoxicity:

Information on product: No information

Information on ingredients: No information

Persistence and degradability:

Information on product: No information

Information on ingredients: No information

Bioaccumulative potential:

Information on product: No information

Information on ingredients: No information

Mobility in soil:

Information on product: No information

Information on ingredients: No information

Other adverse effects:

No information

Section 13: Disposal considerations

Waste treatment methods

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

When disposing, consult to a certificated waste trader or local offices if they deal with the waste.

Used container should be recycled after cleaning or dispose of in compliance with related laws and local regulations.

Contents should be removed completely when dispose of empty containers.

Section 14: Transport information

UN number Not applicable

UN proper shipping name Not applicable

Transport hazard class(es) Not applicable

Packing group Not applicable

Environmental hazards Not applicable


Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable

Special precautions for user

When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

Section 15: Regulatory information

OSHA:	Hazardous chemical
TSCA inventory:	All ingredients in this product are listed on the TSCA Inventory.
TSCA SNUR:	Not listed
SARA Title III:	Section 302 (Extremely Hazardous Substances): Not listed Section 304 (Hazardous Substances): Not listed Section 313 (TRI Chemicals): Methanol
Clean Air Act:	This product does not contain any substances regulated as hazardous air pollutants under Section 112 of the Clean Air Act.
Clean Water Act:	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act.
California Prop.65:	 WARNING This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer, and Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .
California Permissible Exposure Limits for Chemical Contaminants:	
Titanium dioxide	13463-67-7

Section 16: Other information, including date of preparation or last revision

Update history:

Date of issue: 28 Aug, 2018

References:

Information of SHIKOKU CHEMICALS CORPORATION
NITE GHS classification results (2014).

ACGIH, American Conference of Governmental Industrial Hygienists (2014) TLVs and BEIs.

[Disclaimer]

This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.