

Safety Data Sheet

【 For mixtures (for paints) 】

1. Identification of the substance/mixture and of the company/undertaking

Product name : WATER BASED COLOUR PAINT
Product code : SZ-3946
Company name : GEN GEN CORPORATION
Address : 74 Nakanoori Kamori-cho Tsushima city Aichi pref. 496-0005 JAPAN.
Department in charge : Technical Department
Telephone number : (0567)28-9207 FAX: (0567)28-9219
Emergency contact : GEN GEN CORPORATION
Emergency telephone number : (0567)28-9212
Product type : Water-based pigment coloring agents
Main uses : Wood product Other

2. Hazards identification

【GHS classification】

Physical and chemical hazards : GHS classification Not classified
Oral toxicity acute : Classification not possible
Acute toxicity dermal : Classification not possible
Acute toxicity inhalation(gas) : Classification not possible
Acute toxicity inhalation(vapor) : Classification not possible
Acute toxicity inhalation(dust) : Classification not possible
Skin corrosion/irritation : Classification not possible
Serious eye damage/irritation : Classification not possible
Respiratory sensitisation : Classification not possible
Skin sensitization : Classification not possible
Germ cell mutagenicity : Classification not possible
Carcinogenicity : Classification not possible
Reproductive toxicity : Classification not possible
Specific target organ toxicity(single exposure) : Category 2(blood, central nervous system)
Specific target organ toxicity(repeat exposure) : Category 2(respiratory, central nervous system)
Aspiration hazard : Classification not possible
Hazardous to the aquatic environment(Short-term) : Classification not possible
Hazardous to the aquatic environment(Long-term) : Classification not possible
Ozone depleting : Classification not possible

【GHS label elements】

Label elements



Signal word

Warning

Hazard statement

- May cause damage to organs(blood, central nervous system)
- May cause damage to organs through prolonged or repeated exposure(respiratory, central nervous system)

Precautionary statement

Prevention

- Do not breathe dust/fumes/gas/mist/vapours/spray.
- Wash thoroughly after handling.
- Do not eat drink or smoke when using this product.

Response

- If exposed or concerned: Call a doctor.
- Get medical advice/attention if you feel unwell.

Storage

- Store locked up.

Disposal

- Dispose of contents/container to in accordance with local/regional/national/international regulation to be specified.

3. Composition/information on ingredients

Mixture/Substance selection Mixture

Ingredient and content

<Ingredient name>	<CASNo.>	<Content>
titanium dioxide	13463-67-7	15~20%
propylene glycol	57-55-6	1~5%

4. First-aid measures

If in eyes

- Immediately wash under copious amounts of clean running water for at least 15 minutes. Rinse thoroughly even behind the eyelids.
- Remove contact lenses if they are worn and can be easily removed. Seek medical attention as soon as possible.

If on skin

- Quickly wipe off any adhering material with a cloth.
- Wash off thoroughly with plenty of water and soap or skin detergent. Do not use solvents or thinners.
- Seek medical advice if you notice any change in appearance irritation or pain or if you feel unwell.

If swallowed

- If accidentally swallowed rest and seek medical advice immediately.
 - Do not allow vomit to be swallowed.
 - Do not force vomiting except on doctors orders.
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5. Fire-fighting measures

Advice for firefighters

- Wear appropriate protective equipment (e.g. heat-resistant clothing).
- Quickly remove flammable materials from the surrounding area if it is safe to do so.
- Use the specified digester.
- Sealed containers exposed to high temperatures should be cooled by pouring water over them.
- Firefighting activities should be conducted upwind.
- Respond to and extinguish fires in the vicinity.

Suitable extinguishing media

- Available extinguishing agents: carbon dioxide / foam / powder / dry sand / atomized reinforcing liquid

Unsuitable extinguishing media

- Water and stick-reinforced liquid shall not be used to extinguish fires.
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6. Accidental release measures

- Wear appropriate protective equipment (gloves protective mask apron goggles etc.) when working. When working indoors provide adequate ventilation. If outdoors work as far upwind as possible.
 - Spilled material should be collected in a sealable container and moved to a safe location.
 - Adhesives and wastes should be handled in accordance with relevant laws and regulations.
 - The area around the site should be off-limits to prevent secondary disasters by keeping non-related persons away from the site.
 - Care should be taken not to cause environmental impact due to spillage into rivers etc.
 - Collect with a shovel rag etc. If a large amount of material is spilled use fill or other means to prevent spillage. Be careful not to wash with water as it may discharge into rivers and cause environmental pollution.
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7. Handling and storage

Precautions for safe handling

- Handle in a well ventilated area.
- Containers should be tightly closed each time.
- Wear protective equipment to prevent contact with skin mucous membranes or clothing and to prevent contact with eyes.
- Wash hands and face thoroughly after handling and do not bring gloves or other contaminated protective equipment into rest areas.

Conditions for safe storage

- Avoid direct exposure to sunlight. Take necessary measures to prevent leakage overflow and dispersal.
 - Storage in a well-ventilated place. Keep out of reach of children.
 - Where you storage it in a cool dark dry place.
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8. Exposure controls/personal protection

Compositional hazards and exposure criteria

<Ingredient name>

titanium dioxide
propylene glycol

<Administrative levels>

<ACGIH(TLV)>
10mg/m3(AI)

<IARC>
2B

Exposure control facilities

- In the case of indoor painting work the equipment should be such that workers are not directly exposed such as by using automatic painting machines etc. or the equipment should be such that workers can avoid exposure by means of local exhaust ventilation etc.

Exposure control protection

- Wear protective goggles when handling.
- Wear gloves made of materials that are impervious to organic solvents or chemicals.
- Antistatic clothing and energized shoes shall be worn when performing electrostatic painting operations.
- Wear a protective mask that provides adequate protection against other hazardous substances.

9. Physical and chemical properties

Appearance	: Liquid
Color	: Follow the color tone of the product name
Odor	: Follow the product type
pH	: No information
Melting point	: No information
Boiling point	: No information
Flash point	: ---
Ignition point	: No information
Explosion limit	: No information
Vapor pressure	: No information
Flammability	: No information
Kinematic viscosity	: No information
Vapor density	: No information
Density(Specific gravity)	: 1.41
Solubility	: No information
n-Octanol/water partition coefficient	: No information
Decomposition temperature	: No information
Particle characteristics	: No information
Other information	: No information

10. Stability and reactivity

Reactivity/Stability

- | | |
|----------------------------------|-------------------|
| Incompatible materials | : No information. |
| Hazardous decomposition products | : No information. |
| Other reactivity Information | : No information. |

Other hazard Information

- No

11. Toxicological information

Oral toxicity acute	: titanium dioxide (Not classified)
	: propylene glycol (Not classified)
Acute toxicity dermal	: titanium dioxide (Not classified)
	: propylene glycol (Not classified)
Acute toxicity inhalation(gas)	: titanium dioxide (Not classified)
	: propylene glycol (Not classified)
Acute toxicity inhalation(vapor)	: titanium dioxide (Not classified)
	: propylene glycol (Classification not possible)
Acute toxicity inhalation(dust)	: titanium dioxide (Not classified)
	: propylene glycol (Classification not possible)
Skin corrosion/irritation	: titanium dioxide (Not classified)
	: propylene glycol

	(Not classified)
Serious eye damage/irritation	: titanium dioxide (Classification not possible) : propylene glycol (Not classified)
Respiratory sensitisation	: titanium dioxide (Classification not possible) : propylene glycol (Classification not possible)
Skin sensitization	: titanium dioxide (Not classified) : propylene glycol (Not classified)
Germ cell mutagenicity	: titanium dioxide (Classification not possible) : propylene glycol (Classification not possible)
Carcinogenicity	: titanium dioxide (Classification not possible) : propylene glycol (Classification not possible)
Reproductive toxicity	: titanium dioxide (Classification not possible) : propylene glycol (Classification not possible)
Specific target organ toxicity(single exposure)	: titanium dioxide (Not classified) : propylene glycol (Category 1) (blood, central nervous system)
Specific target organ toxicity(repeat exposure)	: titanium dioxide (Not classified) : propylene glycol (Category 1) (respiratory, central nervous system)
Aspiration hazard	: titanium dioxide (Classification not possible) : propylene glycol (Classification not possible)

Toxicological information on products

- Contains substances suspected to be carcinogenic.
- Contains substances that may affect human health via the environment.

12. Ecological information

Persistence/Degradability	: No data available as a mixture
Bioaccumulative potential	: No data available as a mixture
Mobility in soil	: No data available as a mixture
Hazardous to the aquatic environment(Short-term)	: titanium dioxide (Not classified) : propylene glycol (Not classified)
Hazardous to the aquatic environment(Long-term)	: titanium dioxide (Category 4) : propylene glycol (Not classified)
Ozone depleting	: titanium dioxide (Classification not possible) : propylene glycol (Classification not possible)

- Handle with care as leakage or disposal of the product may affect the environment. In particular handle the product and cleaning water in such a way that they do not flow directly onto the ground into rivers or drains.

13. Disposal considerations

- Waste paint containers etc. should be disposed of under a contract with a licensed industrial waste disposal company.
- Do not pour wastewater from cleaning containers equipment etc. directly onto the ground or into drains.
- Waste generated by wastewater treatment incineration etc. shall also be disposed of or consigned in accordance with the Waste Disposal and Public Cleansing Law and related waivers.
- Dispose of the product in accordance with the relevant laws and local government standards.
- Dispose of them in accordance with the Standard for Methods of Disposal of Poisonous and Deleterious Substances.

14. Transport information

Special precautions for user on transport or means of transport

- Follow the instructions in the Handling and Storage Precautions section.
- Ensure that containers are leak-free loaded so that they do not tip over fall or get damaged and ensure that they are protected from unloading.

Regulatory information on domestic regulations

Land transportation

- In cases where the Fire Service Act Industrial Safety and Health Act or Poisonous and Deleterious Substances Control Law apply the transportation method prescribed by the respective laws must be followed. The shipper should issue a transport warning (yell card) to the carrier.

Marine transport

- Comply with the provisions of the Ship Safety Act and Act on Prevention of Marine Pollution and Maritime Disaster.

Air transport

- Follow the provisions of the Civil Aeronautics Act.

UN No. : ----
UN proper shipping name : Not Applicable
Class or division (transport hazard class) : Not Applicable
Packing group :
ERG GUIDE No. : ---

15. Regulatory information

Industrial Safety and Health Act

Dangerous substances	: Not applicable
Ordinance on Prevention of Organic Solvent Poisoning	: Not applicable
Substance subject to notice	: titanium dioxide
Substance subject to labeling	: titanium dioxide
Ordinance on Prevention of Lead Poisoning	: Not applicable
Ordinance on Prevention of Hazards due to Specified Chemical Substances	: Not applicable
Poisonous and Deleterious Substances Control Law	: Not applicable
Act on the Regulation of Management Chemical Substances	: Not applicable
Act on the Regulation of Manufacture and Evaluation of Chemical Substances	: propylene glycol (Priority assessment chemical substance)
Civil Aeronautics Act	: Not Applicable
Ship Safety Act	: Not Applicable
Act on Prevention of Marine Pollution and Maritime Disaster	: titanium dioxide (Noxious Liquid ; Cat.Z)
Offensive Odor Control Act	: Not applicable
Industrial waste subject to special control	: Not applicable

16. Other information

Reference book

- Japan Paint Manufacturers Association SDS/Labeling Guidebook [For Mixtures (Paint Industry)][Translated from Japanese.]
- Japan Paint Manufacturers Association Substance Database for SDS (for paints)[Translated from Japanese.]
- National Institute of Technology and Evaluation Chemical Safety (Hazard) Evaluation Sheet[Translated from Japanese.]
- Solvents Handbook[Translated from Japanese.]

Attention

The hazard and toxicity evaluations are based on currently available materials and data but the data and evaluations are not to be taken as a guarantee of any kind. In the case of special handling please take safety measures appropriate to the application usage and circumstances and handle the product with care.

All chemical products have unknown and potentially hazardous properties and must be handled with the utmost care.

It is the responsibility of the user to establish safe conditions of use.