

HT-Bond Miracle 6 Heat Resistant, Hermetic Co., Ltd., May 16, 2019, January 7

Product Safety Data Sheet

1. Person information

Company: Helmetic Co., Ltd.

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Research Laboratory

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Created on May 16, 2019

Reference number HM-060

Product name: HT-Bond Miracle 6 Heat-resistant type

2. Hazards and Harmfulness

GHS classification

Physical and Chemical Hazards

flammable solid	Not classified
Pyrophoric solid self-heating chemicals	Not classified
Chemicals that react with water and become flammable	Not classified
chemical solid	Not classified

Health hazards

Skin corrosion/irritation	Cannot be classified
Serious eye damage/irritation: Not classified	
Respiratory sensitization	Cannot be classified
Specific target organs/respiratory system (single exposure) Classification not possible	
Specific target organs/respiratory system: Lungs (repeated exposure): Classification not possible	
Aspiration hazard	Not classified

environmental hazards

Hazardous to the aquatic environment	Category 3
(acute) Hazardous to the aquatic environment (period)	Category 3
Harm to the ozone layer	Cannot be classified

Hazards not listed above are either not classified or cannot be classified.

HT-Bond Miracle 6 Heat Resistant, Hermetic Co., Ltd., May 16, 2019, February 7

Harmful to aquatic life with long-lasting effects.

Safety measures

- Avoid release into the environment.
- Before use, be sure to read the instruction manual and understand all precautions.
 - Do not handle until thoroughly cleaned.
 - Wear protective gloves.
 - Wash your hands thoroughly after handling.
 - Do not use for any purpose other than its intended use.

First aid

measures Storage: Keep out of reach of children. Store in a cool, well-ventilated place. Disposal: Dispose of the

contents and container to a specialized waste disposal company approved by the prefectural governor.

To carry out commissioned work.

3. Composition and ingredient information

Chemical/mixture classification: Mixture Type:

Moisture-curing special urethane resin Use: For

commercial use, heat-resistant waterproof

adhesive Hazardous ingredients:

Ingredient name	CAS No. Content	Wt.% Chemical Substances	Control Law Safety	and Health Law
Titanium(IV) chloride	13463-67-7	1~5	(1)-558	
Tin and its compounds	Not listed	<1 Not listed	Not listed	

4. First aid measures

If in eyes

Rinse carefully with plenty of water. If contact lenses are easily removed, Remove. Continue rinsing.
Seek medical advice and treatment as soon as possible.

If on skin

Wash with plenty of water and soap.

HT-Bond Miracle 6 Heat Resistant, Hermetic Co., Ltd., May 16, 2019, March 7

Do not use solvents or thinners. If you experience any external abnormalities or pain, consult a doctor and seek medical attention.

If inhaled

Immediately move to a place with fresh air and keep quiet. If any abnormalities occur, consult a doctor immediately.

If you drink

Rinse your mouth.

If you drink this medicine, keep it at rest and consult a doctor immediately.

Do not induce vomiting unless directed by a doctor.

Protection of first aiders

Rescuers must wear appropriate protective equipment.

5. Fire Prevention Measures

Fire extinguishing agent

- Powder fire extinguishing agents, general foam fire extinguishing agents, carbon dioxide, sand, water spray.

Fire hazard

•Flammable solids

Fire extinguishing method

- Stop the leak if it is possible to do so safely. - Use the designated fire extinguisher and fire extinguishing agent. - Start firefighting activities from upwind.

Firefighters' protection

- Wear appropriate protective clothing (heat resistant) including a respirator.

6. Leakage Measures

- Prohibit entry by unauthorized persons. -

Ventilate the spill area. - Do not come into contact with or walk through the spilled material.

- Wear appropriate protective equipment when working.
- Collect the spilled material in an airtight container and move it to a safe place.
- Absorb the material with dry sand, soil, or other non-flammable material and collect it.

Large spills will be surrounded by embankments to prevent further spillage.

- Dispose of any attached matter, waste, etc. in accordance with the relevant laws.
- Do not release into the environment.

HT-Bond Miracle 6 Heat Resistant, Hermetic Co., Ltd., May 16, 2019, April 7

- Be careful not to discharge it into rivers or other bodies of water, as this may have an adverse effect on the environment.

7. Handling and storage precautions

Handling

Technical measures

- Wear protective gear. -

Provide local and general ventilation.

Safety Handling Precautions

- Handle in a well-ventilated area. -

Wear protective gear to prevent contact with skin, mucous membranes, clothing, or eyes. - When working in a confined area, provide sufficient local disposal facilities.

Wear appropriate protective gear when working.

•No open flames allowed.

Hygiene measures

•After handling, wash your hands, face, etc. thoroughly and gargle. Storage

precautions Safe

storage conditions

•Avoid direct sunlight. •Store in a well-ventilated area. •Do not store in a location where the temperature exceeds 40°C. (5-35°C) •After opening, use up immediately. •Keep away from moisture. •Store out of reach of children.

8. Exposure Control Measures

Control concentration/volume concentration

Titanium dioxide	ACGIH TWA	10mg/m3
	(Class 2 dust) Inhalable dust	1mg/m3
		Total dust 4mg/m3

Preparation measures

•No special precautions are necessary.

•Use in an area with adequate ventilation.

Protective equipment: Breathing equipment

In case of insufficient ventilation, wear appropriate respiratory protection.

HT-Bond Miracle 6 Heat Resistant, Hermetic Co., Ltd., May 16, 2019, 5/7

Eye protection: Wear appropriate eye protection. Hand

protection: Wear materials that cannot be soaked with organic solvents or chemicals.

Protection: When handling, wear clothing that will not expose the skin directly.

9. Physical and chemical properties

Outside: Paste-like

color :gray

Odor: Slightly characteristic odor

pH: No data Melting point:

No data Boiling point: No

information Flash point:

75°C

Ignition point: No data available

Density: 1.30-1.35g/cm³ Other:

Insoluble in water, soluble in organic solvents.

10. Stability and Reactivity

Stability Stable under normal conditions.

Reactivity Reacts with water and moisture in the
Conditions to be met air. No specific information available.

Hazardous and harmful products Generates harmful gases such as CO when burned.

There is a risk.

11. Toxicological information

Acute toxicity (oral): Not

classified Acute toxicity (dermal): Not

classifiable Acute toxicity (inhalation):

(gas) Not

applicable (vapor) Not applicable (dust, mist) Not classifiable

Skin corrosion and irritation: Not classifiable

Serious eye damage or eye irritation: Not classified

Respiratory or skin sensitization: Not classifiable

Reproductive toxicity: Not

classifiable Carcinogenicity: Not classifiable

HT-Bond Miracle 6 Heat Resistant, Hermetic Co., Ltd., May 16, 2019, June 7

Specific target organ toxicity (single exposure): Classification not possible

Specific target organ toxicity (repeated exposure): Classification not possible

Aspiration hazard: Not classified

12. Environmental impact information

In the event of leakage or disposal, there is a risk of impacting the environment.

Be careful.

Hazardous to the aquatic environment (acute toxicity): Harmful to

aquatic life. Hazardous to the aquatic environment (chronic toxicity): Harmful to aquatic life with long-lasting effects.

13. Disposal Considerations

Residual waste

When disposing of this product, follow the relevant laws and local government standards.

Industrial waste disposal companies approved by the prefectural governor, etc., or local public organizations

If your body is handling it, leave it to them. It is classified as waste oil or

a mixture of waste oil and waste plastics (controlled industrial waste).

The dried material is classified as waste plastics (stable industrial waste).

Contaminated containers and packages

When disposing of empty containers, remove all contents and then dispose of them as industrial waste or collect them. Paper containers and

packaging such as outer boxes and paper tubes should be collected or disposed of as waste paper.

Plastic bottles, tubes, nozzles, etc. are waste plastics.

Treated as.

14. Notes

international system

Maritime information is not applicable.

UN No.

Marine Pollutant Not applicable Aviation

regulation information Not applicable.

UN No.

Domestic

control Land control information is not

applicable. Maritime control information is not applicable.

HT-Bond Miracle 6 Heat Resistant, Hermetic Co., Ltd., May 16, 2019, July 7

Country Code Not correct.

Marine pollutants are not applicable.

Air traffic control information is not applicable.

Country code Not applicable.

special safety measures

Make sure there are no leaks in the containers, and stack them carefully to prevent them from tipping, falling, or being damaged, and take measures to prevent the load from shifting.

Follow the instructions in the handling and storage section.

15. Laws and Regulations

Industrial Safety and Health Act: Anti-combustible material (Titanium dioxide IV, government ordinance number: 191) Fire

Service Act: Designated flammable material, flammable solids, open flames strictly

prohibited Poisonous and Deleterious Substances Control Act: Not applicable.

Foreign Exchange and Foreign Exchange Control Order: Section 16 of Article 1 of the Foreign Exchange

Control Order. PRTR Law: Not applicable.

16. Other Information

GHS Compliance Guidelines (Japan Chemical Industry Association)

This SDS is essential for proper use of our products and must be read with care.

It is a concise summary of important matters and corresponds to the usual handling.

The risk and harm assessments currently available regarding the contents are not necessarily sufficient.

This SDS may be revised without notice due to amendments to

laws and regulations or new knowledge.

So please make sure you have the latest version.

End