

SAFETY DATA SHEET

This SDS is prepared pursuant to the provision of Article 110 of the Korean Industrial Safety and Health Law.

Revision date : 2022-06-06
Version Number : 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	Heat Activited Adhesive TAPE (Gray Color)
This SDS is valid for the following grades:	Bonding Forever - Heat Activited Adhesive TAPE
Product code:	HA□-○○○G◇ ※ □ : GX(B), HS(B) ※ ○ : 040 ~ 120 ※ ◇ : N, K

1.2 Recommended use of the product and restrictions on use

Recommended used	A tape that is coated with an adhesive on both sides of the acrylic fabric made by UV polymerization of monomer, laminated with a liner, and then wound on the core.
Restrictions on use	It is used for fixing by being attached to the inside of automobiles, electronic products, etc.

1.3. Details of the supplier of the safety data sheet

Company Name	Hannam Hi-Tech Co.,Ltd.
Address	23-25, Songseonnonggongdanji-gil, Gongju-si, Chungcheongnam-do, Korea, 32590
E-Mail	hannam@hannamht.com
Telephone / Fax	(+82)-41-881-0331~3 / (+82)-41-881-0336

2. Hazard identification

2.1 Hazard classification

Not a hazardous substance according to Korea GHS criteria from the Industrial Safety and Health Act.

2.2 Label Elements

Picture Stationery (GHS)	None
Signal Word	None
Hazard statements	None
Precautionary statements	None

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2.3 Other hazards not included in the hazard classification criteria (NFPA)

None

※ Does not burn without external flame. Before using, read the most current Safety

3. Composition/information on ingredients

Ingredient	CAS No.	EC No.	% by Wt	Classification	REACH Registration No.
2-Propenoic acid 2-ethylhexyl ester homopolymer	9003-77-4	—	90%	Substance not classified as hazardous	—
Silicon dioxide	7631-86-9	231-545-4	5%	Substance not classified as hazardous	—
Glass spheres	—	—	5%	Substance not classified as hazardous	—
Carbon Black	1333-86-4	215-609-9	≤ 0.1%	Substance not classified as hazardous	—

4. First aid measures

4.1 Eye contact	No Data (Flush eyes immediately with large amounts of water for 15 minutes.)
4.2 Skin Contact	No Data (Wash thoroughly with soap and water)
4.3 Ingestion	No Data (Do not induce vomiting)
4.4 Inhalation	No Data
4.5 Note to physicians	No Data

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Suitable Extinguishing Media	Dry sand, dry chemical, powder extinguishing agent, carbon dioxide, water
Unsuitable Extinguishing Media	None

5.2 Specific hazards arising from the chemical

Combustion products	CO ₂ , CO, carbon etc
Fire and Explosion Hazards	Not applicable for fire and explosion hazard due to dust There is a risk of fire due to sparks.
Protective equipment and precautions to be worn in	Wear suitable protective equipment. In the event of fire, wear self-contained breathing apparatus.

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case of fire

6. Measures to be taken in case of a leak

Personal precautions	Not applicable
For emergency responders	Not applicable
Environmental Precautions	Not applicable
Methods of purification or removal	Not applicable

7. HANDLING AND STORAGE

Precautions for safe handling	Do not eat, drink or inhale when using this product. Use where there is no flame.
Conditions for safe storage	Keep away from flames to avoid fire. Store in a cool, dry and well-ventilated place. Avoid physical damage. Handle in a well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Chemical exposure standards, biological exposure standards, etc.

Domestic regulation	None known.
US ACGIH regulations	None known.
US OSHA regulations	None known.
Biological exposure limits	None known.
Other exposure standards	None known.

8.2 Appropriate engineering controls

Install ventilation holes for good ventilation.

8.3 Personal protective equipment [PPE]

Respiratory Protection	Not applicable
Eye/face Protection	Not applicable
Hand Protection	Not applicable
Skin and Body Protection	Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance

Physical State	Solid		
Color	Gray	Vapor pressure	None known.
Odor	Almost none.	Solubility(ies)	None known.
Odor threshold	None known.	Vapor Density	None known.
pH	None known.	Specific Gravity	0.78 ±0.10 g/cm ³
Melting point/freezing point	None known.	Partition Coefficient	
Boiling point / boiling range	None known.	(n-octanol/water)	None known.
Flash Point	None known.	Autoignition Temperature	None known.
Evaporation Rate	None known.	Decomposition temperature	None known.
Flammability	None known.	Viscosity	None known.
Explosion Limits Upper/ Lower	None known.	Molecular Weight	None known.

10. STABILITY AND REACTIVITY

Chemical Stability and Possibility of Hazardous Reactions	<p>It is a product manufactured by UV curing and is stable even when exposed to the outside. However, when exposed to sunlight, the performance function may be deteriorated.</p> <p>It is non-reactive, and stable under recommended handling and storage conditions.</p>
Conditions to avoid	Ignition sources such as heat, sparks and flames should be avoided.
Incompatible materials	<p>Reagents for cleaning (decreases product function)</p> <p>Do not mix with combustible materials. (in case of fire, it may cause a bigger fire.)</p>
Hazardous decomposition products	None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure	No information available.
11.2. Health Hazard Information	
Acute toxicity	
(oral/dermal/inhalation)	No information available.
Skin corrosion/irritation	No information available.
Serious eye damage/irritation	No information available.
Respiratory hypersensitivity	No information available.
Skin Sensitization	No information available.

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carcinogenicity

- | | |
|---|---------------------------|
| - the Korean Industrial Safety and Health Law. | No information available. |
| - Notice of the Korean Ministry of Employment and Labor | No information available. |
| - IARC | No information available. |
| - OSHA | No information available. |
| - ACGIH | No information available. |
| - NTP | No information available. |
| - EU CLP | No information available. |
| - Germ cell mutagenicity | No information available. |
| - Reproductive toxicity | No information available. |
| - Specific target organ toxicity (single exposure) | No information available. |
| - Specific target organ toxicity (repeated exposure) | No information available. |
| - Aspiration hazard | No information available. |
| - other harmful | No information available. |

12. ECOLOGICAL INFORMATION (Environmental impact)

12.1 Ecotoxicity

- | | |
|--------------------|---------------------------|
| Fish | No information available. |
| Crustaceans | No information available. |
| Birds | No information available. |

12.2 Persistence and degradability

- | | |
|----------------------|---------------------------|
| Persistence | No information available. |
| Degradability | No information available. |

12.3 Bioaccumulative potential

- | | |
|------------------------|---------------------------|
| Bioaccumulation | No information available. |
| Biodegradable | No information available. |

- | | |
|---------------------------|---------------------------|
| 12.4 Soil Mobility | No information available. |
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| 12.5 Other adverse effects | No information available. |
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13. DISPOSAL CONSIDERATIONS

13.1 Disposal method

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Dispose of as industrial waste in the enterprise.

Dispose of as general waste at home.

13.2 Disposal considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

14.1 UN/ID no Not regulated

14.2 Proper Shipping Not regulated

14.3 Hazard Class Not regulated

14.4 Packing group Not regulated

15. REGULATORY INFORMATION

15.1 The Korea National Regulations

Industrial Safety & Health Law Not Applicable

Chemical Control Act Not Applicable

Dangerous Material Safety Control Not Applicable

Waste Management Act Not Applicable

15.2 Overseas Regulation

U.S. TSCA Not Applicable

U.S. Administrative Information

-OSHA Regulations Not Applicable

-CERCLA Regulations Not Applicable

-EPCRA 302 regulations Not Applicable

-EPCRA 304 regulations Not Applicable

-EPCRA 313 regulation Not Applicable

-Rotterdam Convention Substances Not Applicable

-Stockholm Convention Substances Not Applicable

-Monterio Protocol Substances Not Applicable

EU classification information

-Final classification result Not Applicable

-Risk phrase Not Applicable

-Precautionary Statements Not Applicable

16. OTHER INFORMATION

16.1 Source of data

It can be used in various industries and general households, so it describes the data based on MSDS and

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self-test by the Korea Occupational Safety and Health Agency.

16.2 Date of original writing : 2015-06-22

16.3 Number of revisions and date of last revision

Number of revisions : 4

Last revision date : 2022-06-06

16.4 Other notes.

Pharmaceutical & Food Additive Use : Not applicable.

This data has been prepared in accordance with Article 110 of the Occupational Safety and Health Act and Notice No. 2020-130 of the Ministry of Employment and Labor.

Since this data is product data and there is no obligation to submit MSDS, MSDS number is not assigned.

This material has been edited or revised with reference to the current knowledge held by the company and the MSDS provided by the Korea Occupational Safety and Health Agency. This document provides safety and environmental information and does not imply warranties or specifications for specific properties.

As a product used in various fields, we are not responsible for any loss of function that does not comply with the usage method or conditions.

The SDS for this product is a concise summary of the needs and precautions for proper use within our company.

This material must not be used in violation of the matters specified in this material other than its intended purpose, and this information is subject to change without notice according to new knowledge and information.