Safety Data Sheet

Hot Melt Adhesive

1. Chemical Product And Company Identification

Product Name	705WT
Suggested purpose and limitations	Hot Melt Adehesive, Bonding

2. Hazardous Identification

Hazardous Category	Non-hazardous substances
GHS label	Classification according to Regulation GHS : Not classified as hazardous
Label Content	
Symbol	None
Warnings	None
Hazard warning message	None
Hazard prevention measures	None
Other hazards	Touching it directly while melting by heat will cause contact burns.

3. Composition, Information On Ingredients

Mixture			
Ingredients	CAS No.	EC No.	WT %
Ethylene-Vinyl Acetate Copolymers	24937-78-8	607-457-0	60~80%
Hydrogenated hydrocarbon resin	69430-35-9	614-968-2	20~40%
Anti Oxidant	6683-19-8	687-966-2	0.02 ~ 2%
Hazardous ingredients	None		

4. First Aid Measures

4.1.The first aid measures for different exposure routes：	4.1.1.Ingestion: Get medical attention. 4.1.2.Inhalation : Supply fresh air. Get medical attention. 4.1.3.Skin Contact：Immediately flush skin with large amounts of cold/ice water for at least 30 minutes. **DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL.** Cover afftected area with a clean dressing. Seek immediate medical attention. 4.1.4.Eye Contact：Immediately flush eye with large amounts of cold water for at least 30 minutes. **DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL.** Cover afftected area with a clean dressing. Seek immediate medical attention.
4.2.Most important symptoms and hazardous effects	Please refer to section 11.1 for information on toxicological effects.
4.3.First-Aid Personal Protection	Immediately flush the burned part with large amounts of cold/ice water for at least 30 minutes. **DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL.** Cover afftected area with a clean dressing. Seek immediate medical attention.
4.4.Notes to physician	expatiate symptom or phenomenon of the patient.

5. Fire Fighting Measures

5.1.Fire Extinguishing Agents	Water, carbon dioxide, chemical dry powder fier extinguisher.	
5.2.Special fire fighting hazards	None	
Hazardous decomposition products or by-products	Chemical material	condition
(Substances produced during combustion)	CO	Substances produced during combustion
	CO_2	Substances produced during combustion
	NO_X	Substances produced during combustion
	Fume	Substances produced during combustion

5.3.Special Firefighting Procedures	5.3.1. Use water or dry chemical for fire extinguishin; small-scale of fire can use the way of sprinkling water. 5.3.2. Sprinkle the source of ignition with water to lower its temperature. 5.3.3. Sprinkling products in molten state at large-scale fire will cause the splashing hot water and melting products. 5.4.4. It's required to wear protective clothing with a supply of respiratory equipment. 5.5.5. After the fire is extinguished, isolation zone should be set up before cooling and curing of the internal products.
5.4.Special protective equipment of firefighters	Wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

6.1.Individual precautions	Avoid contacting the hot melting materials with skin and eyes from getting burns.
6.2.Environmental precautions	In accordance with international conventions or local regulations. Incineration at the government-approved incineration.
6.3.Cleaning Method	Use broom and dustpan for cleaning

7. Handling And Storage

7.1.Handling	Avoid contacting the hot material with the skin. Avoid children from touching.
7.2.Storage	7.2.1.Avoid contacting with oxides, exposuring under the sun, and be away from the fire. 7.2.2.Stored in sealed containers (to prevent dust pollution)

8. Exposure Controls, Personal Protection

8.1.Control parameters

Time weighted average for an 8 hour shift (TWA)	Short Term Exposure Limit (STEL)	CEILING	Biological exposure index (BEI)
No data	No data	No data	No data

8.2.Exposure controls

8.2.1.Engineering control	Ventilated area to prevent accumulation of fumes.	
8.2.2.Personal protective equipment	Respiratory Protection	Tough the smoke and smell generated by hot melting is not toxic, but due to different feeling of each person, it is recommended to wear a mask.
	Hands protection	Heat insulation gloves
	Eyes protection	safety goggle
	Skin and body protection	Wearing long-sleeved or protective clothing can avoid unexpected burns while using hot melt adhesive.
8.3.Sanitary measures	Please refer to section 7.1 notes.	

9. Physical And Chemical Properties

9.1.Information on basic physical and chemical properties

States of Matter	solid	Odor	resin
Olfactory threshold	No applicable	Melting point	No applicable
pH	No applicable	Boiling point	No applicable
Flash point	over 482°F, 250°C	Flammability (solid, liquid)	No applicable
Test method	■open cup □closed cup	Decomposition temperature	-
Auto-ignition temperature	No applicable	Explosion limit	No applicable
Specific Gravity	0.94 ~ 1.00	Solubility	No applicable
Evaporation Rate	No applicable	water partition coefficient (log Kow)	No applicable
Shape	Granule/Stick	Color	White
Soften Point	86+/-5 ℃	Viscosity(180℃)	11,100~16,100 mPa·s

10. Stability And Reactivity

10.1.Reactivity	Stable under normal conditions of handling,use and transportation.
10.2.Stability	Stable
10.3.Special Conditions Of Hazardous Reaction	Not applicable
10.4.Conditions to Avoid	Temperature above 200℃
10.5.Incompatibility	might react with strong oxidant
10.6.Hazardous Decomposition Products	None(Hazardous decomposition substances produce during burning process, please refer to section 5.2.)

11. Toxicological Information

11.1.Information on toxicological effects

Routes of exposure/Immediate effects	Based on test data and/or information on the components, this material may produce the following health effects： Inhalation：Health will not be affected. Though inhaling too much dust and smoke might stimulate respiratory system. Skin Contact： During heating：Thermal Burns: Signs/symptoms may include intense pain, redness and swelling, and tissue destruction. Eye Contact： During heating：Thermal Burns: Signs/symptoms may include severe pain, redness and swelling, and tissue destruction.
chronic toxicity or long-term toxicity	None

Acute Toxicity	LD_{50}(testing animal's absorption approach)	No data available
	LC_{50}(testing animal's absorption approach)	No data available
	Mixture(Ingestion) ATE>5,000 mg/kg(Overall product)	No data available

Skin Corrosion/Irritation	No skin irritation
Serious Eye Damage/Irritation	No eye irritation
Skin Sensitization	None
Respiratory Sensitization	None
Germ Cell Mutagenicity	None
Carcinogenicity	None
Reproductive Toxicity	None
Specific Target Organ Toxicity - single exposure	None
Specific Target Organ Toxicity - repeated exposure	None
Aspiration Hazard	None

12. Ecological Information

12.1.Ecological Toxicity	LC_{50}(fish)	No data available
	EC_{50}(aquatic invertebrates)	No data available
12.2.Sustainable and De-toxic	Difficult to naturally degrade, but can be recycled by appropriate ways	
12.3.Ecologic Accumulation	No data available	
12.4.Liquidity in Soil	No data available	
12.5. Results of PBT and vPvB assessment	No data available	
12.6.Other poor Effect	Improper burning may generate hazardous gas.	

13. Disposal Considerations

13.1.Disposal considerations	13.1.1. Refer to relevant regulations 13.1.2. Storage waste according to storage conditions 13.1.3. Able to apply specific incineration or sanitary land filling

Before disposal, check all applicable government regulations to ensure correct classification. Dispose of waste products in licensed industrial waste treatment facilities. In the case of disposable alternatives, incinerate in licensed waste incinerators. Proper destruction may require the use of additional fuel in the incineration process. If no other disposal methods are available, waste products can be placed in landfills that are properly designed for industrial waste.

14. Transportation Information

ICAO/ IATA -DGR:	NOT REGULATED AS A DANGEROUS GOODs.
14.1. The United Nations Number(UN_No)	Not applicable.
14.2. The United Nations Shipping Name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.
14.4. Packing group	Not applicable.
14.5. Environmental hazards	Not applicable.
14.6. Special Transport Way And Note	Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15. Regulatory Information

15.1. US Federal Regulations
Occupational Safety and Health Act of 1970, OSH Act
Toxic Substance Control Act, TSCA
Resource Conservation and Recovery Act, RCRA
Title 49 of the Code of Federal Regulations(Transportation)
Hazard Communication 2012
15.2. EU Regulations
The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.
Take note of Dir 94/33/EC on the protection of young people at work.
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
Take note of Directive 96/82/EC on the control of major-accident hazards involving dangerous substances.
Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

16. Other Information

NFPA CODE	Health Hazard	1
	Fire Hazard	1
	Reactivity Hazard	0
	Specific Hazard	None
