

# MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Hotmelt Adhesive

**Product Number:** HMA 010

## 2. HAZARDS IDENTIFICATION

**Hazard designation:** VOID

### Specific information on particular dangers for man and the environment

According to the calculation of the "General Classification guideline for preparations of the EU" in the latest valid version, the product is not subject to labeling requirements.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterization

#### Description:

Hot Melt Adhesive (ethylene vinylacetate copolymer)

**Dangerous components:** void

#### Additional information

If any R-phases (risk phases) are listed, please refer for the exact wording in section 16

## 4. FIRST AID MEASURES

**Eyes:** Rinse immediately with plenty of fresh water, with eyelids held open. Seek medical advice.

**Skin:** The product does not irritate the skin.  
After contact with the molten adhesive, cool rapidly with cold water  
Do not pull solidified product away from the skin  
Seek medical attention

**Ingestion:** In case of persistent symptoms consult medical advice

## 5. FIRE FIGHTING MEASURES

**Fire Fighting Measures:** Standard procedure for Chemical Fires

**Suitable Extinguishing Media:** Carbon Dioxide, dry chemical, foam or water spray.

**Fire Fighting Equipment:** Wear self-contained breathing apparatus and protective suit.

**Special Hazards:** Carbon Monoxide can be released in case of fire  
Under certain fire conditions, traces of other toxic gases cannot be excluded

**Protective Equipment:** Do not inhale explosion gases or combustion gases

## 6. ACCIDENTAL RELEASE MEASURES

**Safety Precautions/operators or staff:** Particular danger of slipping on leaked / spilled product

**Environmental Precautions:** No special measures required

**Cleanup Instructions:** Collect mechanically: Allow to solidify.

**Additional information:** No dangerous materials are released

## 7. HANDLING AND STORAGE

**Handling:**

**Information for safe handling:**

Store in a cool, dry place in tightly closed containers.

Ensure that suitable extractors are available on processing machines.

**Storage:**

. **Requirements to be met by storerooms and containers:** No special requirements.

. **Information about storage in one common storage facility:** Not required

. **Further information about storage conditions:** None

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

. **Additional information about design of technical systems:** No further data; see item 7

. **Components with critical values that require monitoring in the workplace:**

7727-43-7 barium sulphate, natural

WEL – long term value:  $10 \times 4 \text{ mg/m}^3$

\*inhalable dust \*\*respirable dust

. **Additional information:** The lists that were valid during the compilation were used as basis

### Personal Protective Equipment

**Eye/Face Protection:** Safety glasses with side shields in compliance with OSHA regulations. Wear tight fitting chemical safety goggles or a face shield whenever there is the possibility of splashing or other contact with eyes.

**Skin Protection:** Wear strong heat resistant gloves (leather) and protective clothing. Avoid skin contact with the liquefied material

**Respiratory Protection:** Not required

**Engineering Controls:** Work in well ventilated area. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS. Do not breathe vapors, fumes, mists, or spray.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Solid
Color:	Light Brown/Beige
Odor:	Characteristic
Solubility in Water:	Insoluble
Change in Conditions:	Melting point/Melting range – not determined Boiling point / Boiling range - >300°C
Danger of Explosion:	Product is not explosive
Spontaneous Combustion:	Product does not undergo spontaneous combustion
Steam Pressure @ 20°C	0 hPa
Specific Gravity: (H <sub>2</sub> O=1)	1.31 g/cm <sup>3</sup>
Solids content:	99.9%
Percent Volatile:	0 to Nil
Solvent content – Organic:	0.0%
Ignition Temperature:	450°C
Flash Point:	>200°C

## 10. STABILITY AND REACTIVITY

### Thermal Decomposition/ conditions to be avoided

Stable under recommended storage conditions. To avoid thermal decomposition do not overheat

**Conditions to Avoid:** Toxic fumes may be released if heated above the decomposition point.  
No dangerous reactions known

**Incompatibility:** Avoid contact with strong oxidizing agents, radical forming initiators, strong alkalis, primary or secondary amines, or reactive metals to prevent exothermic polymerization.

**Hazardous Decomposition Products:** May form: carbon monoxide, Hydrocarbons and Ethanoic Acid

## 11. TOXICOLOGICAL INFORMATION

### Acute Oral, Dermal, Inhalation Toxicity:

<b>LD/LC50 values that are relevant for classification</b>	void
Primary irritant effect – To the skin	No irritant effect
- - To the eye	No irritant effect
Sensitization:	No sensitizing effect known
Stabilizer Package	Not determined

**Additional information:** This product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version

## 12. ECOLOGICAL INFORMATION

### Ecological Toxicity:

**General Notes:** Generally not hazardous for water

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal:

#### Product:

. **Recommendation:** Small quantities can be disposed of with household waste.

#### . **European waste catalogue:**

08. 04. 10. waste adhesives and sealants other than those mentioned in 08.04.09

#### **Contaminated Packaging:**

. **Recommendation:** Dispose of packaging according to regulation on the disposal of packaging.

## 14. TRANSPORT INFORMATION

#### . **Land Transport ADR/RID and GGVS/GGVE (cross-border / domestic**

. **ADR/RID –GGVS/E:** Not dangerous according to the above specifications

#### . **Maritime Transport IMDG/GG Sea:**

. **Marine pollutant:** No

. **Transport Additional information:** Not dangerous according to the above specifications

## 15. REGULATORY INFORMATION

#### . **Designation according to EC guidelines:**

Observe the standard safety regulations when handling chemicals

The product is not subject to marking/classification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV)

#### . **Special designation of certain preparations:**

Contains tris (nonphenyl) phosphate. May produce an allergic reaction.

## 16. OTHER INFORMATION

The information contained herein is based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to such data or information. The user is responsible for determining whether the product is suitable for its intended conditions of use. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions (in addition to those described herein) are required. Any health hazard information contained herein should be passed on to employees for their use and safety.

#### . **Abbreviations and Acronyms**

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50 per cent

LD50: Lethal dose, 50 per cent