



## ***SAFETY DATA SHEET***

### ***AD 811 Hot Melt Adhesive***

***Issue 2 28/10/06***

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### **AD 811 – Hot Melt Adhesive**

#### **1. IDENTIFICATION OF PRODUCT AND SUPPLIER**

<i>Commercial Product Name:</i>	<i>AD 811</i>
<i>Chemical Description:</i>	Hot Melt Adhesive
<i>Supplier:</i>	Morgana Systems Ltd
<i>Emergency Telephone Number:</i>	(+44) 01978 664 556

#### **2. INFORMATION ON INGREDIENTS**

*Chemical Description.* Hot melt adhesive containing thermoplastic polymers, tackifying resins, waxes and antioxidant. Contains no dangerous ingredients or impurities.

#### **3. HAZARDS IDENTIFICATION**

*General* Low hazard. Spilt product presents a slip hazard. Solid pellets entering the eye may cause abrasions.

*In Use* During use, the product is applied at elevated temperatures, exposing the user to the possibility of severe burns unless suitable precautions are taken.

Exposure to high levels of fumes at application temperature may cause irritation of the eyes and respiratory tract. Product may accumulate static charges.

If adhesive is overheated, especially using a naked flame it will burn. Excessive fume indicates overheating.

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### **4. FIRST AID MEASURES**

*Skin Contact* First aid not normally required for contact with product at ambient temperature. For contact with hot product, plunge affected part into cold water until adhesive thoroughly solid and pain eases. Do not attempt to remove adhesive. Seek medical attention. Adhesive may be softened with olive oil or liquid paraffin.

When hot melt removed treat as normal burn.

*Eye Contact* Cold pellets may cause abrasions. If hot product enters eye flush area with large quantity of clean, cold water. Urgently seek medical assistance.

*Inhalation* No inhalation hazard from cold product. Remove to fresh air if excess fume from hot product inhaled. Treat any irritation symptomatically. If necessary seek medical attention.

*Ingestion* In the unlikely event of ingestion seek medical advice.

### **5. FIRE – FIGHTING MEASURES**

*Suitable extinguishing* Dry chemical powder

*media:* Carbon dioxide, Earth, Sand or Foam

**Note:** Water should not be used as burning product may float on water.

*Combustion Products:* Carbon dioxide, Carbon monoxide, Acetic acid, Smoke, Low molecular weight hydrocarbons

*Protective equipment:* Self contained respiratory equipment should be worn.

### **6. ACCIDENTAL RELEASE MEASURES**

*Spillage* Spilled material will present a slippage hazard on hard surfaces. Sweep up spilled material and place in suitable containers for reuse or disposal. Prevent material from entering watercourses or sewers. Advise authorities if material enters watercourses or sewers. If hot product is spilt allow to cool and take up mechanically. Place in suitable container for disposal.

*Protective Equipment* None normally required.

### **7. HANDLING AND STORAGE**

*Handling* No special requirements. When emptying bulk bags product may accumulate static charge.

*Storage* Store in a clean dry place at temperatures between 5 and 30°C with containers kept closed. Use oldest stock first.

### **8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

*Engineering Controls* Nominal industrial hygiene measures should be sufficient. Where contact may occur with hot materials, wear thermal resistant gloves, arm protection and a face shield. During processing adequate ventilation is required. The use of local exhaust ventilation is recommended to control fumes

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

*Form* Solid

*Odour* Slight Resinous

*Colour* Water White

*Density* 0.98 g/cm<sup>3</sup>

*Softening Point* 105° C (typical)

*Flash Point* Over 200° C

*Flammability* Combustible but not flammable. No explosion hazard

*Auto Ignition Temperature* Over 200°C

*Solubility in Water* Negligible

## **10. STABILITY AND REACTIVITY**

*Stability* Chemically stable. Prone to slow degradation when heated to high temperatures

*Reactivity* Limited chemical reactivity. No hazardous chemicals are known to be formed during the use of this product. Adding water to molten product will cause foaming and splitting.

*Materials to Avoid* Storing oxidising agents.

*Hazardous Decomposition Products* Include Carbon Dioxide, Carbon Monoxide, Acetic Acid, Low molecular weight hydrocarbons.

## **11. TOXICOLOGICAL INFORMATION**

*Inhalation* Negligible hazard at ambient temperature. Vapour at elevated temperature may be irritating to the eyes and respiratory tract.

*Skin Contact* Negligible hazard at ambient temperature. Contact with hot material will cause thermal burns, which may be severe depending upon amount.

*Eye Contact* Exposure to hot material will cause thermal burns, which may be severe. Pellets may scratch eye surface or cause mechanical irritation.

*Ingestion* Not determined but believed to have a low order of toxicity.

## **12. ECOLOGICAL INFORMATION**

*Environmental Effects* Not known to have any adverse effects

## **13. DISPOSAL CONSIDERATIONS**

*Disposal* Suitable methods of disposal are incinerators with energy recovery or in approved landfill sites in accordance with EC, national and local regulations.

Care should be taken to ensure compliance with EC, national and local regulations.

## **14. TRANSPORT INFORMATION**

*Land* Not regulated for road/rail transport

*Inland Waterways* Not regulated for inland waterways transport

*Sea* Not regulated for sea transport

*Air* Not regulated for air transport

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**15. REGULATORY INFORMATION**

*EC Labelling* None required

*Risk Phrases* None required

*Safety Phrases* None required

**16. OTHER INFORMATION**

Incorrect application can cause degradation of the product. Observe the maximum recommended processing temperature for this product found on the appropriate technical data sheet. If necessary contact the technical service department for advice.

**REVISION SUMMARY**

The information contained herein is accurate to the best of our knowledge and belief. It is intended to describe the product for the purposes of health, safety and environmental requirements only. It is not intended and should not be construed, as a warranty. Adhesives Direct UK Ltd should be consulted for further information.