

1. Identification of the preparation and company

Product name and code:	420	Hotmelt Adhesive
Chemical description:	Hotmelt Adhesive	
Supplier:	Power Adhesives Limited 1 Lords Way Basildon Essex SS13 1TN England	
Emergency phone number of company:	+44 (0)1268 885800	
E-mail:	msds@poweradhesives.com	

2. Hazards identification**General**

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.

3. Information on ingredients

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

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

If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting. Give large quantities of water but never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Suitable extinguishing media

Dry chemical powder
Carbon dioxide
Earth
Sand
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:	Light Brown
Density:	0.98 g/cm ³
Softening point:	105°C / 221°F (typical)
Flash point:	Over 200°C / 390°F
Flammability:	Combustible but not flammable. No explosion hazard.
Auto ignition temperature:	Over 200°C / 390°F
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

Strong oxidising agents.

Hazardous Decomposition Products

Carbon Dioxide, Carbon Monoxide, Acetic Acid, Low molecular weight hydrocarbons products.

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.

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

August 2010 – Revised to comply with REACH requirements.

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. Power Adhesives Ltd should be consulted for further information.