

MATERIAL SAFETY DATA SHEET

PRODUCT #HM-0430-P

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier name: American Chemical, Inc.
Address: 2201 North 2nd Street
Minneapolis, MN 55411
Phone: (612) 522-4707
Fax: (612) 377-3590
MSDS Name: 0430-P
Description: Synthetic polymer based hot melt

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Substances representing a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC- None

SECTION 3: HAZARDS IDENTIFICATION OF THE PREPATATION

Not Classified under the Chemicals (Hazard Information and Packaging) Regulations (CHIP) 1994.

SECTION 4: FIRST AID MEASURES

General Advice: Hot melt adhesives pose virtually no hazards to health when used in normal industrial practice, but because they are used in a molten state at high temperatures there is a risk of thermal burns. Skin contact with molten hot melt should be avoided and precautions taken against accidental splashes of adhesive. The use of hinged guards and the insulation of hot pipes, tanks etc. minimizes the risk of burns.

Inhalation: Noxious and irritating fumes may be released from heating hot melts. Vapors given off during operation are not considered toxic, but if overheated chemical breakdown of the components may occur, releasing a complex mixture of organic materials, some of which may be toxic or irritant. Remove to fresh air, keeping patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. Treat any irritation symptomatically. If unconscious place in recovery position and seek medical advice.

Skin Contact: Solid cold hot melt is harmless to the skin. Wash hands with soap and water. Skin affected by molten hot melt should be plunged into cold water immediately and left until the burning sensation subsides. If no tap is available have a bucket of clean cold water available. If coated with hot melt move fingers to prevent a tourniquet effect as it cools. Do not remove the adhesive when molten as it might remove skin to quite a depth leaving a raw wound. Even when solid remove with care as the above may still occur. If difficult to remove, with medical approval, olive oil or liquid paraffin should be soaked into a cotton wool pad and placed over the affected area. This will slowly soften the adhesive into the pad. When hot melt is removed treat as a normal burn. In isolated circumstances an allergic reaction may occur and direct contact with the adhesive and its vapor should be avoided.

Eye Contact: For solid treat as inert particles and irrigate copiously with clean fresh water. For molten hot melt irrigate with cold water and seek medical advice immediately.

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.

SECTION 5: FIRE FIGHTING MEASURES

A solid or when heated liquid with no flash point. The product is combustible and will burn in the event of a small fire but has no unusual fire or explosion hazards. If a fire does occur extinguish with dry agent, foam or CO2. Water should not be allowed to come into contact with molten hot melt adhesives. Fire will produce dense black smoke and toxic gases e.g. carbon monoxide which must not be inhaled.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Sweep up granules of solid material and place in a container for disposal according to local regulations (see Section 13). Allow melt to cool and solidify. Scrape up and dispose of as above. Do not allow to enter drains or water courses.

SECTION 7: HANDLING AND STORAGE

Handling: Do not heat hot melt above recommended temperatures. Avoid overheating hot melts as this can give rise to excessive fuming indicating polymer breakdown and production of toxic or irritant vapors. The product contains some residual free vinyl acetate and on overheating acetic acid can be produced by decomposition. The requirements of regulations made under the Health and Safety at Work Act should be complied with.

Storage: Hot melt can be stored for indefinite periods, but stock rotation is advised. Store in a dry, well ventilated place. Keep in original containers to avoid contamination with moisture and other foreign bodies. Keep containers closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Provide adequate extraction/ventilation of fumes and vapors released from molten hot melt.

Exposure Limits: Occupational exposure limit (OEL) in EH40 – None Given

Personal Protection: Gloves to avoid contact with molten adhesive.

Respiratory Protection: No special protection necessary.

Hand Protection: Wear gloves to avoid contact with molten adhesive. Wash hands with soap and water after use.

Eye Protection: Eye protection designed to protect against liquid splashes may be useful.

Skin Protection: Cotton or cotton/synthetic overalls may be useful to avoid skin contact.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State: Solid thermoplastic material

Flash point: >482°F

Specific gravity: 0.90 – 1.10

Solubility: Insoluble

SECTION 10: STABILITY & REACTIVITY

Stable under recommended storage and handling conditions (See Section 7). When exposed to high temperature may produce hazardous decomposition products such as sulfur dioxide, carbon monoxide, carbon dioxide and smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

SECTION 12: ECOLOGICAL INFORMATION

The product should not be allowed to enter drains or water courses or be deposited where it can effect ground surface waters.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes should be disposed of in accordance with the regulations made under the Control of Pollution Act 1974 and the Environmental protection Act 1990.

SECTION 14: TRANSPORT INFORMATION

Not hazardous for transport.

SECTION 15: REGULATORY INFORMATION

The product is not classified as dangerous under the Chemicals (Hazard Information and Packaging) Regulations 1994

SECTION 16: OTHER INFORMATION

The information contained in this safety data is based in the present state of knowledge and current national legislations. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.