

0482

Date Revised: FEBRUARY 10, 2005

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SECTION I - IDENTIFICATION OF PRODUCT

Manufacturer And Shipper
HELMITIN INC.

Emergency Tel No
(416) 239-3105

Address
99 SHORNCLIFFE ROAD, TORONTO, ONTARIO M8Z 5K7

Trade Name And Synonyms
HELMITHERM 0482, HELMITHERM 0482C

Chemical Name And Synonyms
BLEND BASED ON ETHYLENE VINYLACETATE COPOLYMER

Chemical Family
ETHYLENE VINYLACETATE COPOLYMER

Molecular Formula
NOT APPLICABLE

SECTION II - HAZARDOUS COMPONENTS OF MIXTURE

| Component ----- | % -- | Threshold Limit Value | Comments ----- |
|---|----------------|--|--------------------------|
| THIS PRODUCT DOES NOT CONTAIN HAZARDOUS INGREDIENTS AS DEFINED IN WHMIS CLASSIFICATION. | | | |

SECTION III - PHYSICAL DATA

Appearance And Odour
NATURAL (OFF-WHITE) PELLETS OR CYLINDRICAL SOLID, MILD ODOUR WHEN MOLTEN.

Boiling Point / pH
NOT APPLICABLE

Specific Gravity (Water=1)
1.21 @ 24°C/20°C

Percent Volatile (By Weight)
NEGLIGIBLE AT 20°C - 50°C

Vapour Pressure (mm Of Mercury)
NOT APPLICABLE

Vapour Density (Air = 1)
NOT APPLICABLE

Evaporation Rate (Butyl Acetate = 1)
NOT APPLICABLE

Evaporation Rate (Ethyl Ether = 1)
NOT APPLICABLE

Solubility In Water
INSOLUBLE

Flash Point (Specify Method)

NOT ESTABLISHED

Flammable Limits (Percent By Volume)

Lower

Upper

NOT ESTABLISHED

Fire-Extinguishing Media

CARBON DIOXIDE, DRY CHEMICAL, CHEMICAL FOAM OR WATER SPRAY

Special Fire-Fighting Procedures

USE WATER SPRAY/MIST OR FOAM TO COOL FIRE-EXPOSED SURFACES AND TO PROTECT PERSONNEL. AVOID USING WATER ON MOLTEN MATERIAL WHICH MAY CAUSE SPLATTERING AND SPREADING OF THE FIRE. RESPIRATORY PROTECTION SHOULD BE WORN.

Unusual Fire And Explosion Hazards

NONE

SECTION V - HEALTH HAZARD DATA**Threshold Limit Value**

NO TLV HAS BEEN ESTABLISHED

Effects Of Overexposure

HIGH TEMPERATURE (ABOVE 200°C) MAY PRODUCE IRRITATING VAPOURS. THE LENGTH OF EXPOSURE TIME AFFECTS HUMAN HEALTH INDIVIDUALLY. BASED ON LABORATORY TESTS THE EXPOSURE LIMIT AT 200°C IS TWO HOURS AND THE EXPOSURE LIMIT AT 220°C IS 30 MINUTES. AVOID PROLONGED BREATHING OF FUMES.

Emergency And First Aid ProceduresINHALATION: REMOVE TO FRESH AIR.SKIN: IF MOLTEN ADHESIVE IS SPILLED ON SKIN, DO NOT ATTEMPT TO REMOVE THE SOLIDIFIED ADHESIVE FROM THE SKIN. COVER CONTACT AREA WITH CLEAN WET COMPRESSES AND GET MEDICAL ATTENTION IMMEDIATELY.**SECTION VI - REACTIVITY DATA****Stability Stable / Unstable**

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Conditions To Avoid

TEMPERATURES ABOVE 220°C FOR SHORT PERIODS OF TIME OR TEMPERATURES ABOVE 200°C FOR PROLONGED PERIODS OF TIME.

Incompatibility

STRONG ACIDS, OXIDIZING AGENTS.

Hazardous Decomposition Products

DECOMPOSITION PRODUCTS INCLUDE VINYL ACETATE AND ACETIC ACID. HAZARDOUS PRODUCTS OF COMBUSTION: CARBON MONOXIDE AND CARBON DIOXIDE ARE FORMED AS A RESULT OF COMBUSTION.

Hazardous Polymerization

May Occur

Will Not Occur

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Conditions To Avoid**SECTION VII - PREVENTATIVE MEASURES****Steps To Be Taken In Case Material Is Released Or Spilled**

ALLOW MOLTEN ADHESIVE TO SOLIDIFY AND THEN SCRAPE UP. PLACE SOLIDIFIED MATERIAL INTO A SUITABLE CONTAINER FOR DISPOSAL. FLUSH AREA WITH WATER.

Waste Disposal Method

DISPOSAL MUST BE MADE IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION**Respiratory Protection (Specify Type)**

NOT REQUIRED IF ADEQUATE VENTILATION IS PROVIDED

Ventilation - Local Exhaust

RECOMMENDED WHERE HOT MELT IS KEPT MOLTEN, NEAR THE ADHESIVE RESERVOIR.

Ventilation - Mechanical (General)

VENTILATION HOODS AND FANS WITH EXPLOSION-PROOF MOTORS ARE RECOMMENDED

Protective Gloves

HEAT RESISTANT SAFETY GLOVES FOR HOT MELT PROCESSING

Eye Protection

SAFETY GOGGLES FOR HOT MELT PROCESSING

Other Protective Equipment

A LONG SLEEVED COTTON SHIRT IS RECOMMENDED TO REDUCE THE RISK OF BURN TO EXPOSED SKIN AREA. A COLD WATER SOURCE FOR BURN TREATMENT IS RECOMMENDED.

SECTION IX - SPECIAL PRECAUTIONS**Precautions To Be Taken In Handling And Storing**

USE NORMAL PERSONAL HYGIENE AND HOUSEKEEPING. STORE IN COOL, DRY ATMOSPHERE TO AVOID MOISTURE PICK-UP AND BLOCKING. AVOID TEMPERATURE IN EXCESS OF 30°C TO PREVENT MATERIAL BLOCKING.

Other Precautions

STORE AWAY FROM OPEN FLAMES IN DRY AREAS. AVOID SKIN CONTACT WITH MOLTEN MATERIALS. NOT TO BE TAKEN INTERNALLY. PLEASE CONSULT WITH OUR TECHNICAL SERVICE DEPARTMENT.

SECTION X - DATE AND SOURCE OF INFORMATION

| Date | Prepared by: | Revision No. |
|-------------------|--|--------------|
| FEBRUARY 10, 2005 | HELMITIN INC. LABORATORY (416) 239-3105 | (SG) 6 |

HAZARDOUS INFORMATION FOR TRANSPORTATION OF DANGEROUS GOODS
INFORMATION DE DANGER DU TRANSPORT MARCHANDISES DANGEREUSES

In Case Of Emergency Call Collect: (613) 996-6666 Canutec
 En Cas D'Urgence Appelez A Frais Virés: (613) 996-6666 Canutec

| Product | Shipping Name | Class | UN Code | Packing | Flash Point |
|---------|---------------|--------|------------------|---------|----------------|
| Produit | Appelation | Classe | Numero | Groupe | Point D'Eclair |
| | Reglementaire | | D'Identification | | |

NOT REGULATED

WHMIS INFORMATION

NOT CONTROLLED

INFORMATION SIMDUT