



HB-500 POLYETHYLENE

EFFECTIVE 04/01/10

---

---

SECTION I 6 PRODUCT IDENTIFICATION

---

---

PRODUCT NAME: HB-500 POLYETHYLENE  
COMMON SYNONYMS: POLYETHYLENE, POLYETHYLENE WAX  
CHEMICAL FAMILY: HYDROCARBON  
FORMULA: POLYMER OF ETHENE  
FORMULA WT: RANGE  
CAS NO.: 9002-88-4

---

---

PRECAUTIONARY LABELING

---

---

NFPA HAZARD RATINGS

HEALTH 0  
FLAMMABILITY 1  
REACTIVITY 0  
SPECIAL HAZARD NONE

LABORATORY PROTECTIVE EQUIPMENT

SAFETY GOGGLES, LAB COAT, GLOVES (PARTICULARLY FOR THERMAL PROTECTION WHEN MATERIAL IS HOT).

---

---

SECTION II 6 COMPONENTS

---

---

| COMPONENT<br>ACGIH.TLV | CAS NO.   | WEIGHT % | OSHA/PEL |
|------------------------|-----------|----------|----------|
| POLYETHYLENE WAX       | 9002-88-4 | CA. 100  | N/E      |
| N/E                    |           |          |          |

---

---

SECTION III 6 PHYSICAL DATA

---

---

|  |                                       |
|--|---------------------------------------|
| BOILING POINT: N/E<br>N/E<br>(AT 760 MM HG)        | VAPOR PRESSURE (MM HG):<br><br>(@25C) |
| SOFTENING POINT: APPROX 235F<br>N/E<br>(ASTM D 36) | VAPOR DENSITY (AIR = 1):              |
| SPECIFIC GRAVITY: APPROX 0.94<br>N/A<br>(H2O = 1)  | EVAPORATION RATE:                     |
| SOLUBILITY (H2O): NIL<br>N/E                       | % VOLATILES BY VOLUME:<br><br>(@25C)  |
| PH: N/A  |                                       |
| ODOR THRESHOLD (P.P.M.): N/A                       | PHYSICAL STATE: SOLID                 |
| COEFFICIENT WATER/OIL DISTIRBUTION: N/E            |                                       |
| APPREARANCE & ODOR: FLAKED WHITE SOLID.            |                                       |

---

---

SECTION IV 6 FIRE AND EXPOLOSION HAZARD DATA

---

---

FLASH POINT (ASTM D92): >500F  
(ASTM D93): >400F  
AUOTIGNITION TEMPERATURE: N/E  
FLAMMABLE LIMITS: N/E  
FIRE EXTINGUISHING MEDIA: CO2, FOAM, DRY CHEMICAL.

SPECIAL FIRE-FIGHTING PROCEDURES

FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BRREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE. KEEP FIRE-EXPOSED CONTAINERS COOL USING WATER SPRAY.

UNUSUAL FIRE & EXPLOSION HAZARDS

CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE OR EXPLOSION.

TOXIC GASES PRODUCED

CARBON MONOXIDE, CARBON DIOXIDE.

EXPLOSION DATA-SENSITVITY TO MECHANICAL IMPACT

NONE IDENTIFIED

EXPLOSION DATA-SENSITVITY TO STATIC DISCHARGE

NONE IDENTIFIED

---

---

SECTION V 6 HEALTH HAZARD DATA

---

---

THRESHOLD LIMIT VALUE (TLV/TWA): N/E  
SHORT-TERM EXPOSURE LIMIT (STEL): N/E  
PREMISSIBLE EXPOSURE LIMIT (PEL): N/E  
TOXICITY OF COMPONENTS: N/E  
CARCINOGENICITY: NONE IDENTIFIED  
REPRODUCTIVE EFFECTS: NONE IDENTIFIED

EFFECTS OF OVEREXPOSURE

INHALATION: FUMES FROM MOLTEN POLYETHYLENE WAX MAY CAUSE SLIGHT RESPIRATORY IRRITATION.  
SKIN CONTACT: MOLTEN POLYETHYLENE WAX CAUSES BURNS.  
EYE CONTACT: MOLTEN POLYETHYLENE WAX CAUSES BURNS.  
FUMES FROM MOLTEN POLYETHYLENE WAX MAY CAUSE SLIGHT IRRITATION. IRRITATION FROM SOLID MATERIAL HAS NOT BEEN ESTABLISHED.  
SKIN ABSORPTION: NONE IDENTIFIED  
INGESTION: NONE IDENTIFIED  
CHRONIC EFFECTS: NONE IDENTIFIED

TARGET ORGANS: EYES, SKIN, MUCOUS MEMBRANES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
NONE IDENTIFIED

PRIMARY ROUTES OF ENTRY: EYE CONTACT, SKIN CONTACT,  
INHALATION, INGESTION.

EMERGENCY FIRST AID PROCEDURES

INGESTION: MAY CAUSE GASTROINTESTINAL DISTURBANCES.  
SHOULD NOT BE ABSORBED, SO INDUCTION OF VOMITING NOT NECESSARY.  
INHALATION: IF DISCOMFORT IS EXPERIENCED FOLLOWING INHALATION OF FUMES FROM MOLTEN MATERIAL, REMOVE TO FRESH AIR.  
SKIN CONTACT: IF BURNED BY MOLTEN MATERIAL, COOL WITH WATER AND SEEK MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER. IF MOLTEN MATERIAL SPLASHES IN EYES, FLUSH WITH WATER AND SEEK MEDICAL ATTENTION.

EXTREMELY HAZARDOUS SUBSTANCE: NO  
CERCLA HAZARDOUS SUBSTANCE: NO  
TOXIC CHEMICALS: NO  
TSCA INVENTORY: YES

---

---

## SECTION VI § REACTIVITY

---

---

STABILTY: STABLE

CONDITIONS TO AVOID: NONE IDENTIFIED

INCOMPATIBLES: STRONG OXIDIZING AGENTS

DECOMPOSTION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

---

---

## SECTION VII § SPILL AND DISPOSAL PROCEDURES

---

---

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OF DISCHARGE

WEAR SUITABLE PROTECTIVE CLOTHING. DIKE TO PREVENT

MOLTEN MATERIAL FROM ENTERING SEWER OR WATERWAY.

ALLOW TO SOLIDIFY AND TAKE UP INTO SUITABLE CONTAINER FOR DISPOSAL.

DISPOSAL PROCEDURE

DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

---

---

## SECTION VIII § INDUSTRIAL PROTECTIVE EQUIPMENT

---

---

VENTILATION: USE GENERAL OR LOCAL EXHAUST VENITLATION TO REMOVE FUMES FROM MOLTEN MATERIAL

RESPIRATORY PROTECTION: WHEN VENTILATION IS NOT ADEQUATE,

USE OF NIOSH-APPROVED ORGANIC

VAPOR CARTRIDGE IS RECOMMENDED.

IN EMERGENCY SITUATIONS, THE USE OF A SELF CONTAINED BREATHING UNIT MAY BE NECESSARY.

EYE/SKIN PROTECTION: SAFETY GOGGLES, UNIFORM, APRON, AND PROPER GLOVES ARE RECOMMENDED.

---

---

## SECTION IX § STORAGE AND HANDLING PRECAUTIONS

---

---

STORAGE REQUIREMENTS: KEEP CONTAINER CLOSED. SUITABLE FOR GENERAL STORAGE AREAS. ISOLATE FROM INCOMPATIBLE MATERIALS.

---

---

SECTION X 6 TRANSPORTATION DATA AND ADDITIONAL INFORMATION

---

---

DOMESTIC (D.O.T.)  
PROPER SHIPPING NAME: NOT REGULATED  
INTERNATIONAL (I.M.O.)  
PROPER SHIPPING NAME: NOT REGULATED  
AIR (I.C.A.O.)  
PROPER SHIPPING NAME: NOT REGULATED

---

---

N/A = NOT APPLICABLE OR NOT AVAILABLE  
N/E = NOT ESTABLISHED

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET MEETS THE REQUIREMENTS OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ACT AND REGULATIONS PROMULGATED THEREUNDER (29 CFR 1910.1200 ET. SEQ) AND THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF THE MATERIAL BY A PERSON TRAINED IN, OR SUPERVISED BY A PERSON TRAINED IN, CHEMICAL HANDLING. THE USER IS RESPONSIBLE FOR HIS/HER PARTICULAR APPLICATION. DEPENDING ON USAGE, PROTECTIVE CLOTHING INCLUDING EYE AND FACE GUARDS AND RESPIRATORS MUST BE USED TO AVOID CONTACT WITH MATERIAL OR BREATHING CHEMICAL VAPOR/FUMES.

EXPOSURE TO THIS PRODUCT MAY HAVE SERIOUS ADVERSE HEALTH EFFECTS. THIS CHEMICAL MAY INTERACT WITH OTHER SUBSTANCES.

---

---

SINCE THE POTENTIAL USES ARE SO VARIED, HB CHEMICAL CANNOT WARN OF ALL OF THE POTENTIAL DANGERS OF USE OR INTERACTION WITH OTHER CHEMICALS OR MATERIALS. HB CHEMICAL WARRANTS THAT THE CHEMICAL MEETS THE SPECIFICATIONS SET FORTH ON THE LABEL. HB CHEMICAL DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

THE USER SHOULD RECOGNIZE THAT THIS PRODUCT CAN CAUSE SEVERE INJURY AND EVEN DEATH, ESPECIALLY IF IMPROPERLY HANDLED OR THE KNOWN DANGERS OF USE ARE NOT HEEDED. READ ALL PRECAUTIONARY INFORMATION. AS NEW DOCUMENTED GENERAL SAFETY INFORMATION BECOMES AVAILABLE, HB CHEMICAL WILL PERIODICALLY REVISE THIS MATERIAL SAFETY DATA SHEET. IF YOU HAVE ANY QUESTIONS, PLEASE CALL CUSTOMER SERVICE FOR ASSISTANCE.

LAST PAGE