Safety Data Sheet (SDS)

Revision / Review Date: 4/8/15

1. Chemical Product and Company Identification

Product Name:	POLYFLO 500
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Polyethylene / Ethene polymer
Common Name:	Polyethylene Wax, Hydrocarbon
Molecular Formula:	C2H4
Molecular Weight via GPC, Mn:	Not available
Product Use:	Waxes
OSHA Status:	Non- hazardous
CAS No:	9002-88-4

For emergency health, safety, and environmental information, calls 330-920-8023
For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

Warning:	Not available.
Signs and Symptoms of Exposure:	Irritation to the eyes, skin, digestive system and/or the respiratory tract.
Primary Routes of Entry:	Eyes, skin, inhalation and ingestion.
Medical Conditions Generally Aggravated by Exposure:	Not available.
Emergency Overview:	Product is a clear to white, non-toxic solid pellet or granular powder having minimal odor. Dusts and heat-released air emissions may be irritating to the eyes, skin, and respiratory system. Accumulated fine dusts may form explosive air-dust mixtures. Under fire conditions, product will readily burn and emit irritating smoke. Contact with molten material may cause serious thermal burns. Not dangerous for aquatic life.
Eye Contact:	May cause irritation to the eyes.
Skin Contact:	May cause irritation to the skin. Hot material may causes burns.
Ingestion:	Ingestion may produce mild gastrointestinal irritation and disturbances.

Inhalation:	Inhalation of fine particles may cause respiratory irritation. Thermal processing fumes may cause irritation, pulmonary oedema and a possible asthma-like response.
NFPA Rating:	Health-0, Fire-1, Reactivity-0
HMIS Hazard Ratings:	Health- 0, Flammability-1, Reactivity - 0
HMIS limitation statement:	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.
Principal Hazardous Components:	Not available.

3. Composition / Information on Ingredients

Weight Percent / Typical	Component Identity	CAS Registry Number
100%	Polyethylene Wax	9002-88-4

4. First Aid Measures

Inhalation:	If discomfort is experienced, move victim away from exposure and into fresh air. Administer oxygen if breathing is difficult.
Eyes:	Flush eyes with copious quantities of water while holding eyelids open. If symptoms persist or if there is any visual difficulty, consult physician.
Skin:	Wash off with soap and water. If burned by material, cool with water and seek medical attention.
Ingestion:	Do not induce vomiting. Seek medical attention. If individual is drowsy, do not give anything by mouth.

5. Fire-Fighting Measures

Suitable Extinguishing Media:	Water Spray, Dry Chemical, Carbon Dioxide CO2, Foam.
Special Fire Fighting Procedures:	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Keep fire-exposed containers cool using water spray.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide.
Unusual fire and explosion hazards:	Contact with strong oxidizers may cause fire or explosion.

6. Accidental Release Measures

Steps to be taken in case material is spilled:	Wear appropriate personal protective equipment. Dike to prevent material from spreading or entering waterways. Sweep up and shovel into suitable container for disposal. Avoid dust formation.
Environmental Disposal Information:	Do not let material enter water ways.
Waste Disposal:	Dispose in accordance with all federal, state and local environmental regulations.

7. Handling and Storage

Empty Containers:	Not available.
Precautions to be taken in handling:	Keep container closed. Handle and open containers with care. Do not handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Provide appropriate exhaust ventilation at places where dust is formed. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.
Storage:	Keep container tightly closed in a dry and well-ventilated area. Isolate from incompatible materials and extreme heat.

8. Exposure Controls / Personal Protection

Exposure Controls:	Contains no substances with occupational exposure limit values.
Respiratory Protection:	When ventilation is not adequate, use of NIOSH approved organic vapor cartridge is recommenced. In emergency situations, the use of a self-contained breathing unit may be necessary.
Ventilation:	Use general or local exhaust ventilation.
Hand protection:	Wear gloves.
Eye Protection:	Wear safety goggles.
Skin and Body Protection:	Wear impervious clothing.
Other Precautions:	Wash with soap and water before eating, drinking or using toilet facilities. Launder contaminated clothing before reuse.
Decontamination Facilities:	Eye bath, washing facilities (sinks / showers).

9. Physical and Chemical Properties

Physical Form:	White pastilles/ Powder
Appearance & Odor:	Flaked white solid / odorless
Specific Gravity:	0.92-0.97
Softening Point, R&B:	235-245°F
Solubility in Water:	Insoluble
Flash Point, TAG CC F:	400-500°F.
Percent Volatiles (by weight):	Not available.
Evaporation Rate (Water ~ I):	Not available.
Vapor Pressure (mm Hg):	Not available.
Vapor Density (Air ~ I):	Not available.
Boiling Point (^{o}F) Initial:	Not available.
Auto ignition Temperature, ^{o}C:	649°F (350°C)
Flammable Limits, %(V):	Not available.
Melting point:	Not available.
Density:	0.962 g/mL at 25 °C

10. Stability and Reactivity

Stability:	This product is stable under normal conditions.
Incompatibility (Materials to Avoid):	Material reacts with strong oxidizing agents.
Conditions to Avoid:	Avoid extreme heat.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Hazardous Decomposition:	Carbon monoxide, carbon dioxide.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

OSHA Permissible Exposure Limit:	Not available.
ACGIH Threshold Limit Value:	Not available.

12. Ecological Information

This material has not been evaluated for environmental effects.

13. Disposal Considerations

Reclaim or Dispose of material in accordance with all a lie able local, state, and federal regulations.

14. Transport Information

D.O.T. Shipping Name:	Not regulated.
Air - ICAO (international Civil Aviation Organization):	Not regulated.
Sea - IMDG (International Maritime Dangerous Goods):	Not regulated.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

SARA 302 Components:	No chemicals in this material are subject to reporting.
SARA 313 Components:	This material does not contain any chemical components
SARA 311/312 Hazards:	No SARA Hazards.
Pennsylvania Right To Know Components:	Ethene, homopolymer, CAS-No. 9002-88-4
New Jersey Right To Know Components:	Ethene, homopolymer, CAS-No. 9002-88-4
California Prop. 65 Components:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.