

Material Safety Data Sheet

Material Name: POLYETHYLENE WAX

MSDS ID: BTI-002

***** Section 1 - PRODUCT AND COMPANY IDENTIFICATION*******Material Name:** POLYETHYLENE WAX**Manufacturer Information**

BASSTECH INTERNATIONAL LLC
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Chemical Family

polymers, wax

Synonyms

1-PROPENE, HOMOPOLYMER; PROPENE POLYMERS; POLYPROPENE; PROPYLENE POLYMERS;
PROPENE POLYMER; 1-PROPENE POLYMER; (C3H6)X; RTECS: UD1842000

***** Section 2 - HAZARDS IDENTIFICATION*******EMERGENCY OVERVIEW****Physical Form:** powder flakes**POTENTIAL HEALTH EFFECTS****Inhalation****Short Term:** irritation**Long Term:** no information is available**Skin****Short Term:** irritation**Long Term:** no information is available**Eye****Short Term:** irritation**Long Term:** no information is available**Ingestion****Short Term:** nausea, vomiting, diarrhea**Long Term:** no information is available***** Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS*****

CAS #	Component	Percent	Symbol(s)	Risk Phrase(s)
9002-88-4	Polyethylene	100	---	---

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***** Section 4 - FIRST AID MEASURES*******Inhalation**

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eyes

Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Ingestion

If a large amount is swallowed, get medical attention.

***** Section 5 - FIRE FIGHTING MEASURES*****

See Section 9 for Flammability Properties

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Flammable Properties

Slight fire hazard.

Extinguishing Media

regular dry chemical, carbon dioxide, water, regular foam

Large fires: Use regular foam or flood with fine water spray.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

***** Section 6 - ACCIDENTAL RELEASE MEASURES*******Occupational spill/release**

Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.

***** Section 7 - HANDLING AND STORAGE*******Storage Procedures**

Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances.

***** Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION*******Component Exposure Limits**

ACGIH, NIOSH, OSHA, AIHA, and EU have not developed exposure limits for any of this product's components.

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Biological Limit Values

Biological Limit Values have not developed for any of component(s) of this material.

Ventilation

Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT**Eyes/Face**

Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Protective Clothing

Wear appropriate chemical resistant clothing.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Respiratory Protection

Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

Respiratory protection is ranked in order from minimum to maximum.

Consider warning properties before use.

Any particulate respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering facepieces) except quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100 or P100.

Any air-purifying full-facepiece respirator equipped with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100 or P100.

Any powered, air-purifying respirator with a high-efficiency particulate filter.

Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter.

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

***** Section 9 - PHYSICAL AND CHEMICAL PROPERTIES*****

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Physical State:	Solid	Appearance:	Not available
Physical Form:	powder flakes	Odor:	Not Available
Odor Threshold:	Not available	Melting Point:	90-120 °C approximate
Boiling Point:	Not applicable	Vapor Pressure:	Not applicable
Vapor Density (air = 1):	Not applicable	Density:	Not available
Specific Gravity (water = 1):	0.90 - 0.98	Water Solubility:	insoluble
Coeff. Water/Oil Dist:	Not available	Molecular Formula:	(C2-H4)x

Solvent Solubility

Insoluble: cold organic solvents

*** Section 10 - STABILITY AND REACTIVITY***

Chemical Stability

Stable at normal temperatures and pressure.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Materials to Avoid

oxidizing materials, acids, halo carbons, halogens

Decomposition Products

miscellaneous decomposition products

Possibility of Hazardous Reactions

Will not polymerize.

*** Section 11 - TOXICOLOGICAL INFORMATION***

Acute and Chronic Toxicity

Inhalation of dust may irritate upper respiratory tract. Acute skin and eye exposure may cause irritation.

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Polyethylene (9002-88-4)

Oral LD50 Rat 8 g/kg

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RTECS Acute Toxicity (selected)

The components of this material have been reviewed, and RTECS publishes the following endpoints:

Polyethylene (9002-88-4)

Inhalation: 75.5 gm/m³/30 minute(s) Inhalation Rat LC50

Oral: >8 gm/kg Oral Rat LD50

Acute Toxicity Level**Polyethylene (9002-88-4)**

Moderately Toxic: inhalation

Component Carcinogenicity**Polyethylene (9002-88-4)**

IARC: Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

RTECS Tumorigenic

The components of this material have been reviewed, and RTECS publishes the following endpoints:

Polyethylene (9002-88-4)

331 mg/kg Implant Mouse TDLo; 1000 mg/kg Implant Rat TD; 1476 mg/kg Implant Rat TD; 2120 mg/kg Implant Rat TD; 33 mg/kg Implant Rat TDLo

RTECS Mutagenic

No data available.

RTECS Reproductive Effects

No data available.

***** Section 12 - ECOLOGICAL INFORMATION*******Component Analysis - Aquatic Toxicity**

No LOLI ecotoxicity data are available for this product's components.

***** Section 13 - DISPOSAL CONSIDERATIONS*******Disposal Methods**

Dispose in accordance with all applicable regulations.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

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*** Section 14 - TRANSPORT INFORMATION***

US DOT Information

No Classification assigned.

TDG Information

No Classification assigned.

ADR Information

No Classification assigned.

RID Information

No Classification assigned.

IATA Information

No Classification assigned.

ICAO Information

No Classification assigned.

IMDG Information

No Classification assigned.

*** Section 15 - REGULATORY INFORMATION***

U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No

U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

Canadian Regulations

Germany Water Classification

No components of this material are listed.

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Polyethylene	9002-88-4	Yes	DSL	No	Yes	Yes	Yes	Yes	Yes	Yes

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*** Section 16 - OTHER INFORMATION***

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

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