



Safety Data Sheet

Section 1. Identification

GHS product identifier : Earth Shield® HDPE Waterstop

Other means of identification : HDPE Copolymer Waterstop

Relevant identified uses of the substance or mixture and uses advised against

Not available

Supplier's details : J P Specialties, Inc.
25811 Jefferson Avenue
Murrieta, CA 92562
Tel.: 1-800-821-3859
Fax: 1-951-763-7074
Website URL: www.jp-specialties.com

Emergency telephone number (with hours of operation) : 1-951-763-7077
(7am to 3:30pm PST)



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Section 2. Hazards Identification

This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

OSHA/HCS status : Classified as combustible dust. While this material is not considered a combustible dust as shipped, it is classified as a hazardous combustible dust by the OSHA Hazard Communication Standard 2012, 29 CFR 1910.1200.

GHS label elements Not classified as hazardous.

Signal word : **Warning!** This product as shipped is not classified as a combustible dust; however, a combustible concentration of dust may occur if fines are suspended in air (e.g. from cutting to sanding the product)

Pictogram : There is no GHS pictogram for combustible dust hazard.

Hazard statements : When handling Earth Shield® Copolymer Waterstop as supplied, there is very low possibility of hazard.

: If small particles are generated during further processing cutting or by other means, may cause dust concentrations in air.

: Rough edges could result in minor cuts to hands. Appropriate gloves should be worn to prevent cuts and/or scrapes.

Potential Health Effects

Eyes : If dust is generated from cutting, it could scratch or irritate the eyes; if using elevated temperatures as described in Section 10 may evolve fumes, vapors may irritate the eyes.

Ingestion : Dust or debris from cutting may irritate the throat, mouth, or stomach.

Inhalation : Inhalation of fine dust from cutting or sanding, may cause irritation of the respiratory system; processing temperatures that exceed those described in Section 10 may evolve fumes irritating the nose and throat.

Disposal : See Section 13.

Hazards not otherwise classified : When cutting or modifying Earth Shield® Copolymer product, other hazards may exist.



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Section 3. Composition/information on ingredients

This product does not contain any components that require disclosure according to OSHA Hazard Communication

Substance/mixture : Mixture

Other means of identification : HDPE Copolymer Waterstop

CAS number/other identifiers

CAS number : Not applicable

Product code : PE211, PE436, PE636, PE678, PE936, PE320L

Components	CAS#	Percent
ETHYLENE COPOLYMER	N/A	>99

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i)

Occupational exposure limits, if available, are listed in Section 8.



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Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eye lids. Do not rub eyes. Check for and remove any contact lenses. Get medical attention.
- Inhalation** : In case of adverse exposure to vapors and/or aerosols at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing stopped. Keep at rest.
Note: At ambient/normal handling temperatures, no adverse effects due to inhalation of vapors/dust are expected. However, if cutting or sanding take appropriate action to AVOID breathing dusts. In case of inhalation, move to fresh air. If irritation persists or breathing difficult, get medical attention.
- Skin contact** : This product is not likely to be hazardous by skin contact, but cleaning the skin after use is good practice. Wash contaminated clothing before reuse.
- Ingestion** : Not a probable route of exposure. However, in case of accidental ingestion, call a physician.
- Most important symptoms/effects, acute and delayed** : No applicable data.
- Protection of first-aiders** : No applicable data.
- Notes to physician** : No applicable data.



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Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media : Use water, foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : No applicable data available.

Specific hazards arising from the chemical : Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous thermal decomposition products : Thermal decomposition only at temperatures > 230 °C (446°F)

Special protective actions for firefighters : Assure an extended cooling down period to prevent re-ignition. Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Special protective equipment for firefighters : Firefighters should wear appropriate, standard protective equipment and in enclosed spaces a self-contained breathing apparatus (SCBA) should be used.

Further information : The solid polymer can only be burned with difficulty. Evacuate personnel and keep upwind of fire.

Section 6. Accidental release measures

As supplied, the product presents no risk of spill or release.

General Procedures: Dust deposits from cutting or sanding should not be allowed to accumulate on , as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). See Section 8 for Engineering controls.

For non-emergency personnel : No action necessary

For emergency responders : None required

Environmental precautions : None required

Methods and materials for contaminant and cleaning up spill : Not applicable



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Section 7. Handling and Storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and faces before eating, drinking and smoking. See Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store out of direct sunlight. Store away from incompatible materials (see Section 10).



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Section 8. Exposure Controls / Personal Protection

Control parameters

- Appropriate engineering controls** : Normal handling and use of this product is not expected to produce dust. However, if cutting or sanding product, it is possible to generate dust. Adequate ventilation should be provided so that exposure limits are not exceeded. Assure adequate ventilation or other controls are used to control exposure.
- Environmental exposure controls** : Comply with applicable environmental regulations limiting discharge to air, water and soil.

Individual protection measures

- Hygiene measures** : Do not get in eyes. Keep away from food or drink. Handle in accordance with good industrial hygiene and safety practice. Wash hands, forearms and face thoroughly after handling product, before eating, smoking and using the lavatory and at the end of the working period.
- Eye/face protection** : When cutting or processing the product, wear safety glasses with side shields. Safety eyewear should comply with an approved standard and should be used when a risk assessment indicates this is necessary to avoid exposure to dusts or flying debris.
- Respiratory protection** : Not required under normal handling and processing. Should conditions exist that require respiratory protection, for example while cutting or sanding generates may generate dust, a NIOSH/MSHA approved respirator should be worn to avoid inhalation of dusts.

Skin protection

- Hand protection** : Wear appropriate protective gloves to avoid incidental cuts or scrapes that could occur when handling the edges of the product.
- Body protection** : None required under normal handling and processing of product.
- Other skin protection** : None required under normal handling and processing of product.



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Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limits

This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communicatio Standard 2012

Non- Constituent(s)

Dust (inhalable and respirable fraction)

Permissible exposure limit	OSHA	5 mg/m3	8 hr. TWA Respirable fraction.
Permissible exposure limit	OSHA	15 mg/m3	3.5 MG/M3
TLV	(ACGIH)	3 mg/m3	TWA Respirable particles
TLV	(ACGIH)	10 mg/m3	TWA Inhalable particles

Section 9. Physical and Chemical Properties

Appearance

Physical state : Solid, opaque waterstop profile

Color : Clear

Odor : Mild ester-like.

Odor threshold : Not applicable data available.

pH : Not applicable

Melting point : Not applicable data available.

Decomposition temperature : > 230 °C (446°F)

Thermal decomposition of the resin accelerates above temperature listed.

Decomposition can occur below the recommended processing temperature limit.

Decomposition is a function of both processing temperature and time at that temperature.

Auto-ignition temperature : No applicable data available.



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Section 9. Physical and Chemical Properties

Boiling point	: Not applicable
Flash point	: 260 °C (500°F), open cup method: Cleveland open cup - COC
Evaporation rate (BuAc = 1)	: Not applicable
Flammability (solid, gas)	: May form combustible dust concentrations in air.
Upper Explosion limit	: Not applicable
Lower Explosion Limit	: Not applicable
Vapor pressure	: Not applicable
Vapor density (Air = 1)	: Not applicable
Specific gravity (relative density)	: No applicable data available
Solubility	: Not applicable data available.
Solubility in water	: Negligible
Partition coefficient n-octanol/water	: Not applicable
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable

Section 10. Stability and Reactivity

Reactivity	: No applicable data available.
Chemical stability	: The product is stable under normal temperature and storage conditions.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous polymerization reactions will not occur.
Conditions to avoid	: Avoid elevated temperatures > 230 °C(460 °F).
Incompatible materials	: Strong bases and oxidizing agents.
Hazardous decomposition products	: Under normal conditions of storage and use at ambient temperatures, hazardous decomposition products will not occur. However, at elevated temperatures as noted in Section 9, decomposition products may include: Carbon monoxide, Organic acids, Aldehydes, Acrolein, Alcohols, Acetic acid, Formaldehyde, Acetaldehydes.



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Section 11. Toxicological Information

No data is available on the product itself. The substance is a polymer and is not expected to produce toxic effects.

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

Section 12. Ecological Information

Ecotoxicity

This product is not expected to be harmful to aquatic organisms based on insolubility in water

Persistence and degradability

Product is expected to be persistent.

Bioaccumulative potential

Biodegradation: Material is expected to be persistent.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Low solubility. No data available.

Other adverse effects : No known significant effects or critical hazards.



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Section 13. Disposal Considerations

Disposal methods : Preferred options for disposal are recycling, supervised incineration with energy recovery, and landfill. The high fuel value of this product makes incineration very desirable for material that cannot be recycled. Treatment, storage, transportation, and disposal must be in accordance with applicable local, state/provincial, and federal regulations.

Section 14. Transport Information

Not classified as dangerous in the meaning of transport regulations.

DOT/TDG/IMDG/ IATA : Not regulated for land, sea, or air transport.

Environmental hazards No. No. No.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available



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Section 15. Regulatory Information

U.S. Federal regulations : When used for its intended purpose, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

TSCA : This material complies with TSCA Inventory requirements for commercial purposes.

Superfund Amendments & Reauthorization Act of 1986 (SARA)

SARA 313 Regulated Chemical(s) : This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels established by SARA Title III , Section 313.

PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances):
None known.

NJ Right to Know Regulated Chemical(s) : Substances on the New Jersey Workplace Hazardous Substances List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens):
None known

California Prop. 65 : Chemicals known to the State of California to cause cancer, birth defects or any other harm:
None known.



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Section 15. Regulatory Information

International regulations

International lists : **Australia inventory (AICS)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List : Not listed
Schedule I Chemicals

Chemical Weapons : Not listed
Convention List
Schedule II
Chemicals

Chemical Weapons : Not listed
Convention List
Schedule III
Chemicals



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Section 16. Other Information

History

Date of issue mm/dd/yyyy : 11/17/2015
Version : 1
Revised sections : Not applicable
Prepared by : J P Specialties, Inc.

Key to Abbreviations:

ACGIH - American Conference of Governmental Industrial Hygienists
AICS - Australian Inventory of Chemical Substances
CSNN - Taiwan Existing (Chemicals and Substances Nomination and Notification)
DEA - Drug Enforcement
DOT - Department of Transportation
GHS - Globally Harmonized System
HCS - Hazardous Communication Standard
IATA - International Air Transport Association
IECSC - Inventory of Existing Chemical Substances Produced or Imported in China
IMDG - International Maritime Dangerous Goods
NIOSH - National Institute of Occupational Safety and Health
NZLOC - New Zealand List of Chemicals OSHA - Occupational Safety & Health Administration
PICCS - Philippine Inventory of Chemicals or Chemical Substances
SARA - Superfund Amendments & Reauthorization Act
TDG - Transport of Dangerous Goods
TLV - Threshold Value
TSCA - Toxic Substances Control Act

Other Data:

Notice to reader

To the best of our knowledge, the information contained herein is believed to be accurate at the time of preparation and obtained from sources believed to be reliable. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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