



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** EPOLENE® Maleated Polypropylene Polymers Powder

### Other means of identification

**Product code** E-43P

**Recommended use** Plastic modification. Wax.

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** Westlake Corporation  
**Address** 2801 Post Oak Blvd., Suite 600  
Houston, TX 77056  
United States  
**Telephone** +1-713-960-9111  
**Website** www.westlake.com  
**E-mail** sdsinfo@westlake.com

**Emergency phone number** CHEMTREC 1-800-424-9300  
CHEMTREC International +1 703-741-5970

## 2. Hazard(s) identification

### Hazards for the product as sold

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

### Label elements

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

### Precautionary statement

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Hazard(s) not otherwise classified (HNOC)** May form combustible dust concentrations in air.

**Supplemental information** 98.999999999996% of the mixture consists of component(s) of unknown acute oral toxicity.  
98.999999999996% of the mixture consists of component(s) of unknown acute dermal toxicity.

## 3. Composition/information on ingredients

### Mixtures

The manufacturer lists no ingredients as hazardous to health according to OSHA 29 CFR 1910.1200.

## 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** For thermal burns, flush or submerge effected area in cold water to dissipate heat. Cover with clean bandage material. Do not peel material from skin. Get medical attention.

**Eye contact** Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists after washing.

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|---|--|
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary. |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                     |

## 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                    | Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed. |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.  |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |
| <b>Hazardous combustion products</b>                                 | Carbon monoxide. Formaldehyde. Carbon dioxide (CO <sub>2</sub> ). Acetaldehyde.   |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Observe good industrial hygiene practices. Avoid contact with molten material; do not breathe fumes, vapors, dust or sprays from molten or burning material. When processing at > 600°F (315°C), consider use of a respirator to avoid breathing decomposition products.<br><br>Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.<br><br>For prevention of fire and explosion, keep from contact with incompatible materials. Minimize dust generation and accumulation. Because product may accumulate a static charge, use proper bonding and/or grounding procedures prior to transfer. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, 2006 edition." |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).   |

## 8. Exposure controls/personal protection

|  |   |
|--|---|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |

|                               |   |
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| <b>Skin protection</b>        |   |
| <b>Hand protection</b>        | Wear appropriate chemical resistant gloves.   |
| <b>Other</b>                  | Wear suitable protective clothing.  |
| <b>Respiratory protection</b> | In case of insufficient ventilation, wear suitable respiratory equipment. For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced. |
| <b>Thermal hazards</b>        | Wear appropriate thermal protective clothing, when necessary.   |

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

|   |                                     |
|---|-------------------------------------|
| <b>Physical state</b>   | Solid.                              |
| <b>Form</b>   | Powder.                             |
| <b>Color</b>  | Tan.                                |
| <b>Odor</b>   | Odorless to mild.                   |
| <b>Melting point/freezing point</b>                             | Not available.                      |
| <b>Boiling point or initial boiling point and boiling range</b> | Not available.                      |
| <b>Flammability</b>   | Not available.                      |
| <b>Upper/lower flammability or explosive limits</b>             |                                     |
| <b>Explosive limit - lower (%)</b>                              | Not available.                      |
| <b>Explosive limit - upper (%)</b>                              | Not available.                      |
| <b>Flash point</b>  | Not available.                      |
| <b>Auto-ignition temperature</b>                                | Not available.                      |
| <b>Decomposition temperature</b>                                | 530.6 °F (277 °C)                   |
| <b>pH</b>   | Not available.                      |
| <b>Kinematic viscosity</b>                                      | Not available.                      |
| <b>Solubility</b>   |                                     |
| <b>Solubility (water)</b>                                       | Not available.                      |
| <b>Partition coefficient (n-octanol/water)</b>                  | Not available.                      |
| <b>Vapor pressure</b>   | Not available.                      |
| <b>Density and/or relative density</b>                          | Not available.                      |
| <b>Vapor density</b>  | Not available.                      |
| <b>Particle characteristics</b>                                 | Not available.                      |
| <b>Other information</b>  |                                     |
| <b>Explosive properties</b>                                     | Not explosive.                      |
| <b>Oxidizing properties</b>                                     | Not oxidizing.                      |
| <b>Softening point</b>  | ≥ 302 - ≤ 329 °F (≥ 150 - ≤ 165 °C) |
| <b>Specific gravity</b>   | 0.92                                |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.    |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                      |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials. |

|   |  |
|---|--|
| <b>Incompatible materials</b>           | Strong oxidizing agents. Fluorine.             |
| <b>Hazardous decomposition products</b> | No hazardous decomposition products are known. |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No adverse effects due to inhalation are expected.       |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.                   |

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

|  |  |
|--|--|
| <b>Acute toxicity</b>                    | Not known.   |
| <b>Skin corrosion/irritation</b>         | Prolonged skin contact may cause temporary irritation.   |
| <b>Serious eye damage/eye irritation</b> | Direct contact with eyes may cause temporary irritation. |

### Respiratory or skin sensitization

|                                  |   |
|----------------------------------|---|
| <b>Respiratory sensitization</b> | Not a respiratory sensitizer.                             |
| <b>Skin sensitization</b>        | This product is not expected to cause skin sensitization. |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information****DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to IMO instruments** Not applicable.

**15. Regulatory information**

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Recommended restrictions** None known.

**US federal regulations**

**Toxic Substances Control Act (TSCA)** All components of the mixture on the TSCA 8(b) inventory are designated "active" or exempt.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

| Chemical name    | CAS number | % by wt. |
|------------------|------------|----------|
| Maleic Anhydride | 108-31-6   | 0.1 - 1  |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**International Inventories**

| Country(s) or region | Inventory name                                       | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Industrial Chemicals (AICIS) | Yes                    |
| Canada               | Domestic Substances List (DSL)                       | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                  | No                     |

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| China                       | Inventory of Existing Chemical Substances in China (IECSC)        | Yes                    |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                     | Yes                    |
| New Zealand                 | New Zealand Inventory   | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                        | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

|               |  |
|---------------|--|
| Issue date    | 12-08-2023   |
| Revision date | 08-18-2025   |
| Version #     | 04   |
| HMIS® ratings | Health: 0<br>Flammability: 0<br>Physical hazard: 0 |
| NFPA ratings  | Health: 0<br>Flammability: 0<br>Instability: 0     |

### NFPA ratings



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### Revision information

Composition / Information on Ingredients: Ingredients  
Accidental release measures: Environmental precautions  
Handling and storage: Precautions for safe handling  
Exposure controls/personal protection: Exposure guidelines  
Exposure controls/personal protection: Eye/face protection  
Toxicological information: Skin contact  
Ecological information: Ecotoxicity  
Disposal considerations: Waste from residues / unused products  
Other information, including date of preparation or last revision: References