



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco PE 100**

Other means of identification:

Product Description: Polyethylene wax is a low molecular weight polyethylene polymer with low molecular weight and wax-like physical characteristics.

Synonyms: Ethene, homopolymer; Polyethylene

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco PE 100 is a low density polyethylene polymer used in adhesives, coatings and in rubber processing.

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation

Address: 4837 Darrow Road
Stow, OH 44224
USA

General Phone Number: 330 650 2244

General Fax Number: 330 650 2255

Emergency phone number:

Emergency Phone Number: Chemtrec 1 800 424 9300 USA

Website: www.wrchem.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Class: Not GHS classified as a hazardous material.

Hazards not otherwise classified that have been identified during the classification process:

Poly(ethylene)

Emergency Overview: High level of dust in the atmosphere may present a dust explosion hazard. This product is not classified as hazardous.

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Eye: Molten wax fumes or dust particles may be slightly irritating to eyes.

Skin: Not a primary irritant. Molten wax will cause burns upon contact.

Inhalation: Molten wax fumes may cause mild respiratory irritation. Powder may cause minor nuisance irritation.

Ingestion: No known effects. Products have low toxicity.

Chronic Health Effects: No known chronic health effects

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs/Symptoms: Mild irritation as noted above.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Poly(ethylene)	9002-88-4	100 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Flush eyes with water as a precaution. If hot product splashes into eyes, flush immediately with clear cold water. Contact physician immediately.
Skin Contact:	If burned by hot product, obtain medical attention immediately. In the event of skin contact with product under other conditions, wash thoroughly with soap and water. Removal of product from skin may be aided by use of waterless hand cleaner.
Inhalation:	If overcome by fumes, immediately remove from exposure and call a physician. If breathing has stopped, start artificial respiration.
Ingestion:	Product are not acutely toxic and in any case ingestion is unlikely to occur. If a product is ingested, follow appropriate action as when any foreign object is swallowed.
Notes :	In case of doubt seek medical advice.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	Avoid direct stream of water as product will float and can re-ignite on the surface of the water stream.
Unusual Fire Hazards:	Irritating or toxic gases may be generated from decomposition/combustion products. Under low oxygen conditions, carbon dioxide and carbon monoxide may be produced. Static charge may accumulate causing a discharge that could ignite polymer dust.

Special protective equipment and precautions for fire-fighters:

Protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Fire Fighting Instructions:	Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water. In powder form, static electricity may lead to explosions. See NFPA Bulletin 654. Take precaution as material may cause floors and stairs to become slippery

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions:	Always wear recommended personal protection equipment (PPE), such as safety glasses, dust mask, or gloves. Avoid dust formation.
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Environmental precautions:

Environmental Precautions:	Do not let enter product into drains.
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Methods and materials for containment and cleaning up:

Methods for containment:	Shut off source of leak if safe to do so. Dike and contain.
Methods for cleanup:	Use good housekeeping practices since spilled material may be a slipping hazard. When dealing with powdered grade, keep away from heat, flame, and remove ignition sources. Collect material in a drum (may be fiberboard) or carbon using care to scatter as little dust as possible. May burn although not readily ignitable. Use cautions judgment when cleaning up large molten spills. With small molten spills wear respirator and protective clothing as appropriate. Allow wax to cool and remove as solid.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Information for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Hygiene Practices:	General industrial hygiene practice.

Conditions for safe storage, including any incompatibilities:

Storage:	Store in cool place. Keep container closed in a dry and well-ventilated place. Avoid heat and strong oxidizing agents.
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Specific end use(s):

Work Practices:	Safety showers and eye wash stations should be available.
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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Poly(ethylene):

Guideline ACGIH: Exposure limit for total product (threshold limit value):

OSHA regulation 29 CFR 1910.1000 recommended by ACGIH:
5 mgms/m³ (respirable dust)
10 mgms/m³ (total dust)

Appropriate engineering controls:

Engineering Controls: Use adequate ventilation during heating process, or if dusty conditions occur during handling of powdered material. For storage and ordinary handling, general ventilation is adequate.

Individual protection measures:

Eye/Face Protection: Safety glasses or goggles as minimum protection. Consult your standard operating procedures or safety professional for advice.

Skin Protection Description: Wear protective clothing if there is potential for contact with heated materials

Hand Protection Description: For prolonged or repeated contact use protective gloves.

Respiratory Protection: Use a NIOSH approved dust respirator, if dusty conditions prevail. Use an organic vapor respirator when melting or conveying product.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Form: Powder
Aggregate phase: Solid

Color: White/transparent

Odor: Odourless

Boiling Point: No data available

Melting Point: No data available

Density: At 25 deg C: No data available

Solubility: (Above 80 deg C) Xylene

pH: No data available

Flash Point: No data available

Lower Flammable/Explosive Limit: No data available

Upper Flammable/Explosive Limit: No data available

Auto Ignition Temperature: No data available

Explosive Properties: Danger of explosion: No data available

9.2. Other information:

Notes : Fusion temperature/range: No data available

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: Will not occur.

Chemical Stability:

Chemical Stability: Stable under recommended storage conditions.

Incompatible Materials:

Incompatible Materials: Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition Products:

Special Decomposition Products: Hazardous decomposition products formed under fire conditions. – Carbon dioxides, Acrolein, formaldehyde.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Poly(ethylene):

Acute Toxicity: Products have low toxicity (acute oral > 2500 mg/kg).

Poly(ethylene):

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: No known effects.

Sensitization: No data available

Chronic Effects: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Blood: Lymphomas including Hodgkin's disease. Tumorigenic: Tumors at site or application.

SECTION 12 : ECOLOGICAL INFORMATION

Poly(ethylene):

Ecotoxicity:

Ecotoxicity: Ecotoxicity is expected to be low based on the low water solubility of the product.

Persistence and degradability:

Biodegradation: Information about elimination (persistence and degradability): No data available

Bioaccumulative potential:

Bioaccumulation: Not expected to occur.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Product/preparation:
Observe all federal, state and local environmental regulations.

Waste Key Number/European waste catalogue:
No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer. The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm/producing firm/official authority.

Uncleaned packagings: Dispose of as unused product

Poly(ethylene):

Waste Disposal: Dispose of in accordance with applicable federal, state and local regulations. Waste generators must determine whether discarded material is to be classified as a hazardous waste. If released into the environment, the user must determine whether it should be reported to the appropriate authorities.

RCRA Number: The unused product is not a RCRA hazardous waste if discarded. Products are organic in nature and not biodegradable.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.

DOT Pictograms:



IATA Shipping Name: Non regulated.

IATA Pictograms:



IMDG Shipping Name : Non regulated.

ADR Shipping Name : Non regulated.

RID Shipping Name : Non regulated.

ICAO Shipping Name: Non regulated.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Poly(ethylene):

TSCA Inventory Status: Products are listed on TSCA Chemical Inventory

SARA: SARA Title III: In accordance with the provisions of Title III, Sections 311 & 312 of the Superfund Amendments and Reauthorization Act, these products are not hazardous. These products do not contain Section 313 Reportable Ingredients.

CERCLA Section 302: In the event of a spill, the end user should verify whether reporting is required under local, state, and/or federal regulations.

California PROP 65: In compliance, no reportable substances

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1

Health Hazard

1

HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: X

Fire Hazard	1
Reactivity	0
Personal Protection	X

SDS Revision Date: August 17, 2015

Notes :

Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

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