

# SAFETY DATA SHEET



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Product name: Porous Polyethylene  
MSDS number: Revision date: 1/13/2017  
Revision number: 1 Issuing date: 6/1/2015

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: Porous Polyethylene

This SDS applied to all molded porous polyethylene parts produced by GenPore, a division of the General Polymeric Corporation.

Color Code(s): Natural, White, Black, Red, Blue

Manufacturer's details: GenPore  
PO Box 380  
1136 Morgantown Rd  
Reading, PA 19607 USA

Product Information  
[sales@genpore.com](mailto:sales@genpore.com)

Emergency telephone numbers: 610-374-5171

Synonyms: Ultra High Molecular Weight Polyethylene / UHMWPE

Identified uses: Filters, Vents, Wicks, Barrier, Support

## 2. HAZARDS IDENTIFICATION

Statement of Hazard: Not a dangerous product according to GHS

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: High molecular weight polyethylene (HMWPE); Ultra high molecular weight polyethylene (UHMWPE), Ethylene, polymer CAS-RN. Basic polymeric: 9002-88-4

## 4. FIRST AID MEASURES

Skin  
No hazard

Eyes  
Immediately flush eyes with water. Call a physician if irritation persists  
Inhalation  
Get medical attention if symptoms occur Get medical attention if symptoms occur

Ingestion  
If swallowed, do not induce vomiting – seek medical advice

Notes to physician: This product is essentially inert and nontoxic. However, if it is heated at too high a temperature or if it is burned, gases may be released. Patients who have been exposed to off-gases may need to have their arterial blood gases and carboxyhemoglobin level checked. If carboxyhemoglobin level are normal, asphyxia (carbon dioxide replacing oxygen) is a possibility. As with any fire, irritant gases may have formed. If patients may have inhaled high concentrations of irritating fumes, they should be monitored for delayed onset pulmonary edema.

## 5. FIRE-FIGHTING MEASURES

NFPA: Health: 1 Flammability: 0 Instability: 0

Suitable extinguishing media  
Water, Foam, Dry powder

Extinguishing media which must not be used for safety reasons  
None

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)

Special protective equipment for fire fighters  
Wear self-contained breathing apparatus and protective suit

Other information:  
None

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions  
No special precautions required

Environmental precautions  
No special precautions required

Method for cleaning up  
Contain spillage. Pick up with a vacuum cleaner or by brushing and transfer to a container for disposal according to local regulations.

## 7. HANDLING AND STORAGE

Advice on safe handling  
No special recommendations

Incompatible products

Halogen, strong oxidizing agents, aromatic solvents

Protection – fire and explosion

Keep away from sources of ignition. No smoking

Technical measures/Storage conditions

Materials should be stored away from UV light sources. No specific storage temperature requirements, but material should be permitted 12 hours to stabilize at ambient temperature prior to use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Personal protective equipment

Hygiene measures Wash hands before breaks and at the end of workday. When using, do not eat, drink, or smoke.

Eye protection: No special requirement

Skin protection: No special requirement

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form Solid

Odor Slight

Ignition temperature >200°C approx.

Method ASTM D 1929

Combustion number BZ5: Complete combustion with flames

Method ISO 1183, Process A

Bulk density 0,2 – 0,5 g/cm<sup>3</sup> 20°C

Method ISO 60

## 10. STABILITY AND REACTIVITY

Chemical stability

Stable under normal conditions

Conditions to avoid

Extreme temperatures. Avoid temperatures above 250°C

Incompatible products

Halogen, strong oxidizing agents, aromatic solvents

Hazardous combustion or decomposition products: Thermal decomposition products may include oxides of carbon

## 11. TOXICOLOGICAL INFORMATION

When handled appropriately, even after long year of experience with this product, no adverse health effects are known. Toxicological data is not available. Observe usual hygienic measures for handling chemicals.

## 12. ECOLOGICAL INFORMATION

Ecological data is not available. Product is insoluble in water. According to experience, the material has no harmful effect on the environment.

## 13. DISPOSAL CONSIDERATIONS

Product information

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal.

Uncleaned empty packaging

Contaminated packaging should be emptied as far as possible and, after appropriate cleansing, may be taken for reuse

## 14. TRANSPORT INFORMATION

US Department of Transportation: Not regulated

ADR/RID: Not regulated AND: Not regulated

ICAO/IATA: Not regulated

IMDG: Not regulated

## 15. REGULATORY INFORMATION

International Regulations This preparation is not classified as dangerous according to Chinese legislation

## 16. OTHER INFORMATION

HMIS: Health: 1 Flammability: 0 Instability: 0

Color Code(s): Natural, White, Black, Red, Blue

Prepared by: GenPore

Other information: This SDS adherer to the standards and regulatory requirements of the United States.

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality.