

**Hohmann & Barnard, Inc.**  
**Material Safety Data Sheet**  
**\*\*\* Round Weep Holes & PTA Tubes \*\*\***

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Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
(Formerly Called MATERIAL INFORMATION BULLETIN)

MSDS IN PROGRESS AS OF 01/11/88  
GULF Polyethylene (All Grades)

CPS 267698

A HAZARD WARNING STATEMENT IS NOT REQUIRED FOR THIS PRODUCT  
UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

TYPICAL COMPOSITION

Polyethylene (CAS 9002-88-4)

EXPOSURE STANDARD

No federal OSHA exposure standard or ACGIH TLV has been established for this material.

PHYSIOLOGICAL & HEALTH EFFECTS

The cool solid material is not expected to cause eye irritation. Thermal burns may result from contact with the hot material.

The cool solid material is not expected to cause skin irritation. Thermal burns may result from contact with the hot material.

Prolonged or repeated inhalation of vapors or fumes from the heated material during thermal processing may be irritating to the upper respiratory tract.

Not expected to be an ingestion problem.

EMERGENCY & FIRST AID PROCEDURES

Eyes

If the hot material should splash into the eyes, flush eyes immediately with fresh water while holding the eyelids open.

Skin

If the hot, melted material gets on skin, quickly cool in water. See a doctor for extensive burns. DO NOT try to peel the solidified material from the skin or use solvents or thinners to dissolve it.

Inhalation

If respiratory discomfort or irritation occurs, move the person to fresh air. See doctor if discomfort or irritation continues.

Ingestion

Since this material is not expected to be an ingestion problem, no first aid procedures are required.

**ADDITIONAL HEALTH DATA**

See following pages

**SPECIAL PROTECTIVE INFORMATION**

**Eye Protection:** Do not get hot material in eyes. Eye contact can be avoided by wearing chemical safety goggles.

**Skin Protection:** Avoid skin contact with the hot material by wearing protective clothing including gloves.

**Respiratory Protection:** No special respiratory protection is normally required. However, if operating conditions create high airborne concentrations, the use of an approved respirator is recommended.

**Ventilation:** No special ventilation is usually necessary. However, if operating conditions create high airborne concentrations of gases or fumes, special ventilation may be needed.

**FIRE PROTECTION**

Flash Point: NDA

Autoignition Temp.: NDA

Flammability Limits: NDA

Extinguishing Media: Dry Chemical (preferred), Water Fog

**Special Fire Fighting Procedures:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. See Hazardous Decomposition Products. Read the entire MSDS

**SPECIAL PRECAUTIONS**

Bulk storage of polyethylene pellets may result in the accumulation of ethylene gas with possible explosion potential.

Concentrations of ethylene gas must be kept below the lower explosive limit (LEL) of 2.7%.

**ENVIRONMENTAL PROTECTION**

**Environmental Impact:** This material is not expected to present any environmental problems.

**Precautions if Material is Released Or Spilled:** If liquid material is spilled, allow it to cool and solidify before proceeding with disposal methods.

**Waste Disposal Methods:** Place contaminated materials in disposal containers and dispose of in a manner consistent with applicable regulations.

Contact local environmental or health authorities for approved disposal of this material. If safe and practicable, reclaim material.

**REACTIVITY DATA**

Stability (Thermal, Light, etc.): Stable

Incompatibility (Materials to Avoid):

May react with strong oxidizing materials.

Hazardous Decomposition Products:

Thermal decomposition may produce carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons, aldehydes, alcohols, ketones, and acids.

Hazardous Polymerization: Will not occur.

**PHYSICAL PROPERTIES**

Solubility: Insoluble in water.

Appearance (Color, Odor, etc.):

Translucent, colorless pellets

Boiling Point: NDA

Melting Point: NDA

Specific Gravity: 0.91-1.02

Vapor Pressure: NDA

Vapor Density (Air=1): NDA

Percent Volatile (Volume %): 0

Evaporation

NDA = No Data Available.

Avoid breathing of vapors or fumes which may be released during thermal processing. See Special Protective Information, Ventilation above.

The above information is based on data of which we are aware and is believed to be correct as of the date hereof. The information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

## GULF Polyethylene (All Grades)

### ADDITIONAL HEALTH DATA

This MSDS is suitable for use with high density (GULF Hi-D), low density, and linear low density polyethylene products. All grades of GULF Polyethylene are FDA approved and are not a hazardous material under the OSHA Hazard Communication Standard. During thermal processing, polyethylene, like all plastics, can degrade. The three variables which control its degradation are the temperature, the length of time at that temperature, and the amount of oxygen available. Depending on the local processing conditions, a variety of low molecular weight hydrocarbons, alcohols, aldehydes, acids, and ketones can be formed. These materials are respiratory irritants.

Signs and symptoms of respiratory tract irritation may include, but may not be limited to, one or more of the following, depending on concentration and length of exposure: nasal discharge, sore throat, coughing, bronchitis, pulmonary edema, and difficulty in breathing.