

UHMW

# MATERIAL SAFETY DATA SHEET

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EFFECTIVE DATE	March 23, 1993
REVISED DATE	September 14, 2011
TRADE NAME	UHMW
CHEMICAL FAMILY	High Molecular Weight Polyethylene
CHEMICAL FORMUA	Polyethylene
<b>SECTION II - HAZARDOUS INGREDIENTS</b>	
HAZARDOUS COMPONENTS	
<b>SECTION III - PHYSICAL DATA</b>	
BOILING POINT (F)	
FREEZING POINT (F)	
VOLATILITY / VOLUME (%)	
MELTING POINT	
VAPOR PRESSURE (mmHg)	
VAPOR DENSITY (Air=1)	
SOLUBILITY IN H2O	Insoluble
APPEARANCE / ODOR	Whitish and oderless
SPECIFIC GRAVITY (H2O=1)	
ACIDITY	
<b>SECTION IV- FIRE AND EXPLOSION HAZARD DATA</b>	
FLASH POINT	
LOWER FLAME POINT	
HIGHER FLAME POINT	
EXTINGUISH MEDIA FOR FIRE	Carbon Dioxide, water spray, foam or dry chemical
UNUSUAL FIRE HAZARD	Emits toxix fumes
<b>SECTION V- HEALTH HAZARD DATA</b>	
HEALTH HAZARD	
THRESHOLD LIMIT VALUE OVER EXPOSURE EFFECTS	
<b>SECTION VI - REACTIVITY DATA</b>	
CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	



550 Mallory Way • Carson City, NV 89701  
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## SECTION VI - REACTIVITY DATA - CONTINUED

INCOMPATIBLE MATERIALS  
DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATIONS  
POLYMERIZATION AVOID

## SECTION VII - SPILL OR LEAK PROCEDURE

FOR SPILL Collect into suitable container  
WASTE DISPOSAL METHOD Dispose of in accordance with federal, state and local regulations

## SPECIAL VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION Use a NIOSH approved respirator

VENTILATION Use local exhaust ventilation or respiratory protection to maintain employee exposure below the P.E.L. or T.L.V.

PROTECTIVE GLOVES

EYE PROTECTION Safety glasses

OTHER PROTECTIVE EQUIPMENT Clothing suitable to avoid skin contact

HANDLING AND STORAGE

## SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS  
DOT SHIPPING NAME  
REPORTABLE QUANTITY (RQ)  
UN NUMBER NA#  
NA#  
PACKAGING SIZE

### Notes:

All information recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources. It is the user's responsibility to determine the Safety, Toxicity and suitability of his/her own use, handling and disposal request. Since actual use by others is beyond our control, no warranty, expresses or implied, is made by Polymer Plastics Company L.C. as to effects of such use. The results to be obtained or the safety and toxicity of the product, nor does Polymer Plastics Company L.C. assume any liability arising out of use by others of the product referred to herein. The data in this MSDS relate only to the specific material designated herein and do not relate to use in combination with any other material or in any other process.

**REFERENCES:** N/A = Not Applicable, N/D = Not Determined, N.D.A. = No Date Available



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