

MATERIAL SAFETY DATA SHEET

UHMW

EFFECTIVE DATE	March 23, 1993
REVISED DATE	September 14, 2011
TRADE NAME	UHMW
CHEMICAL FAMILY	High Molecular Weight Polyethylene
CHEMICAL FORMUA	Polyethylene

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS

SECTION III - PHYSICAL DATA

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 (H20=1)

ACIDITY

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT

LOWER FLAME POINT

HIGHER FLAME POINT

EXTINGUISH MEDIA

Carbon Dioxide, water spray, foam or dry chemical

FOR FIRE

UNUSUAL FIRE HAZARD

Emits toxix fumes

SECTION V- HEALTH HAZARD DATA

HEALTH HAZARD

THRESHOLD LIMIT VALUE

OVER EXPOSURE EFFECTS

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY

Stable

CONDITIONS TO AVOID



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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
WASTE DISPOSAL METHOD

Collect into suitable container
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
HANDLING AND STORAGE

Clothing suitable to avoid skin contact

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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