

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 H ₂ O	Insoluble
APPEARANCE / ODOR	Whitish and oderless
SPECIFIC GRAVITY (H ₂ O=1)	
ACIDITY	

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

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

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

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:

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