

TORLON

# MATERIAL SAFETY DATA SHEET

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EFFECTIVE DATE	May 15, 1986
REVISED DATE	April 15, 2011
TRADE NAME	Torlon
CHEMICAL FAMILY	Poly (Amide-Imide) Polymer
CHEMICAL FORMUA	
<b>SECTION II - HAZARDOUS INGREDIENTS</b>	
HAZARDOUS COMPONENTS	No Hazardous Ingredients
<b>SECTION III - PHYSICAL DATA</b>	
BOILING POINT (F)	
FREEZING POINT (F)	
VOLATILITY / VOLUME (%)	<1.0%
MELTING POINT	260°C or 500°F
VAPOR PRESSURE (mmHg)	
VAPOR DENSITY (Air=1)	
SOLUBILITY IN H2O	Insoluble
APPEARANCE / ODOR	Solid, brown or tan in color and odorless
SPECIFIC GRAVITY (H2O=1)	1.45
ACIDITY	
<b>SECTION IV- FIRE AND EXPLOSION HAZARD DATA</b>	
FLASH POINT	>500°C / 870°F
LOWER FLAME POINT	
HIGHER FLAME POINT	
EXTINGUISH MEDIA FOR FIRE	Dry chemical, carbon dioxide, foam or water Wear NIOSH listed positive pressure self-contained breathing apparatus and full protective clothing Fire fighting equipment should be througly decontaminated after use.
UNUSUAL FIRE HAZARD	Temperatures above Flash Point are required to ingnite
<b>SECTION V- HEALTH HAZARD DATA</b>	
HEALTH HAZARD	
THRESHOLD LIMIT VALUE OVER EXPOSURE EFFECTS	None
<b>SECTION VI - REACTIVITY DATA</b>	
CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Heating above 870°F



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<b>SECTION VI - REACTIVITY DATA - CONTINUED</b>	
INCOMPATIBLE MATERIALS	Strong acids and oxidizing agents
DECOMPOSITION PRODUCTS	Amonia, oxides of carbon, nitrogen, hydrogen bromide, styrens
HAZARDOUS POLYMERIZATIONS	Will not occur
POLYMERIZATION AVOID	
<b>SECTION VII - SPILL OR LEAK PROCEDURE</b>	
FOR SPILL	Shovel or sweep up
WASTE DISPOSAL METHOD	Dispose in a suitable landfill in accordance with local, state and federal guidelines or incineration
<b>SPECIAL VIII - SPECIAL PROTECTION</b>	
RESPIRATORY PROTECTION	Under normal processing conditions none is required
VENTILATION	Sufficient general area ventilation to stay below regulated exposure limits for dust durning maching or fabrication
PROTECTIVE GLOVES	Are Required
EYE PROTECTION	Safety glasses are recommended when processing
OTHER PROTECTIVE EQUIPMENT	
HANDLING AND STORAGE	Keep away from sparks and open flames. Avoid contact with eyes. Wash thoroughly after handling.
<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
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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