

# KELF MATERIAL SAFETY DATA SHEET

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EFFECTIVE DATE	September 5, 1995
REVISED DATE	April 14, 2011
TRADE NAME	Kelf
CHEMICAL FAMILY	CTFE
CHEMICAL FORMULA	Polychlorotrifluoroethylene
<b>SECTION II - HAZARDOUS INGREDIENTS</b>	
HAZARDOUS COMPONENTS	None
<b>SECTION III - PHYSICAL DATA</b>	
BOILING POINT (F)	N/A
FREEZING POINT (F)	
VOLATILITY / VOLUME (%)	N/A
MELTING POINT	210 - 212
VAPOR PRESSURE (mmHg)	N/A
VAPOR DENSITY (Air=1)	
SOLUBILITY IN H <sub>2</sub> O	Insoluble
APPEARANCE / ODOR	Milky-White and Odorless
SPECIFIC GRAVITY (H <sub>2</sub> O=1)	ab. 1.0
ACIDITY	
<b>SECTION IV- FIRE AND EXPLOSION HAZARD DATA</b>	
FLASH POINT	Does not flash
LOWER FLAME POINT	
HIGHER FLAME POINT	
EXTINGUISH MEDIA FOR FIRE	Foam, CO <sub>2</sub> , Dry Chemicals and Water Spray Self-contained breathing apparatus and protective clothing
UNUSUAL FIRE HAZARD	When heating over 150°C decomposition products may be formed including HF, HCl, etc.
<b>SECTION V- HEALTH HAZARD DATA</b>	
HEALTH HAZARD	Harmful if swallowed
THRESHOLD LIMIT VALUE OVER EXPOSURE EFFECTS	
<b>SECTION VI - REACTIVITY DATA</b>	
CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Heat, sparks and open flames



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<b>SECTION VI - REACTIVITY DATA - CONTINUED</b>	
INCOMPATIBLE MATERIALS	Molten alkali metals, interhalogen compounds and some kinds of amines
DECOMPOSITION PRODUCTS	Toxic and corrosive gases including HF, HCl, etc.
HAZARDOUS POLYMERIZATIONS	Will not occur
POLYMERIZATION AVOID	
<b>SECTION VII - SPILL OR LEAK PROCEDURE</b>	
FOR SPILL	Collect spilled material and separated from other waste and place in separate containers
WASTE DISPOSAL METHOD	Landfill (best) or incineration
<b>SPECIAL VIII - SPECIAL PROTECTION</b>	
RESPIRATORY PROTECTION	Mask for acidic gases is needed when this material is heated above 150°C
VENTILATION	Use local exhaust if this material is heated
PROTECTIVE GLOVES	
EYE PROTECTION	Safety glasses
OTHER PROTECTIVE EQUIPMENT	Eye wash station
HANDLING AND STORAGE	Wash hands after handling. Do not smoke in work areas.
<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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