

**MATERIAL SAFETY DATA SHEET**

F-13

Latest Revision Date...08/25/14

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**SECTION 1 MANUFACTURER INFORMATION**

PRESSURE TEK SALES  
905 CANTERBURY ROAD, UNIT F  
WESTLAKE, OHIO 44145  
PH. (440) 250-2144 FAX (216) 803-4351

**SECTION 2 PRODUCT IDENTIFICATION**

PRODUCT NUMBER..... PTS F13  
TRADE NAME OR CHEMICAL NAME... F-13  
SYNONYMS..... NA  
CHEMICAL FAMILY..... Alkaline Detergent  
NFPA - HEALTH HAZARD..... 2  
FIRE HAZARD..... 0  
REACTIVITY HAZARD..... 0  
NFPA SCALE..... 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant  
KEY..... NA= Not Applicable ND= Not Determined

**SECTION 3 HAZARDOUS INGREDIENTS**

CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-TWA	PEL	SEC. 313	CARCINOGEN?
Potassium Hydroxide	1310-58-3	<5	2 mg/m3	2 mg/m3	No	No

**SECTION 4 SHIPPING DATA**

D.O.T. PROPER SHIPPING NAME... NA  
D.O.T. HAZARD CLASS..... NA  
D.O.T. LABELS REQUIRED..... NA  
UN/NA I.D. NUMBER..... NA  
PACKAGING GROUP..... NA  
NON-BULK SHIPPING NAME..... Cleaning Compound, Liquid  
BULK SHIPPING NAME..... Same

**SECTION 5 PHYSICAL DATA**

BOILING/FREEZING POINT @760 mmHg... 215°F (102°C) / <32°F (0°C)  
pH..... 13.6  
VAPOR PRESSURE mm Hg @20° C..... ND  
VAPOR DENSITY (Air = 1)..... ND  
PERCENT VOLATILE BY WEIGHT (%)..... 70  
SPECIFIC GRAVITY @20°C..... 1.07  
SOLUBILITY IN WATER..... Complete  
EVAPORATION RATE..... (Water=1) -1  
APPEARANCE AND ODOR..... Nearly colorless liquid with faint odor.

**SECTION 6 FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (Test Method)..... None  
AUTOIGNITION TEMPERATURE..... NA  
FLAMMABILITY LIMITS IN AIR (% V)... NA

SECTION 6 FIRE AND EXPLOSION HAZARD DATA

CONT'D

EXTINGUISHING MEDIA..... Not Combustible  
 SPECIAL FIRE FIGHTING PROCEDURES... No special procedures.  
 UNUSUAL FIRE & EXPLOSION HAZARDS... No unusual hazards.

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY..... Stable  
 Conditions to Avoid..... NA  
 CHEMICAL INCOMPATIBILITY..... NA  
 HAZARDOUS DECOMPOSITION PRODUCTS... NA  
 HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT... Continued exposure can cause irritation to the skin.  
 EYE CONTACT... Contact will be very irritating to the eyes.  
 INHALATION..... Not a route of significant hazard.  
 INGESTION..... Irritation and possible scarring of mucousal linings.

SECTION 9 EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.  
 EYES.....Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.  
 INGESTION...If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.  
 INHALATION...Move to fresh air. Aid in breathing, if necessary, and get medical attention.

SECTION 10 ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Avoid skin contact. Neutralize and flush with large amounts of water to sanitary sewer.  
 WASTE DISPOSAL METHOD..... Corrosive. Dispose of in accordance with federal, state and local regulations.  
 HAZARDOUS WASTE 40CFR261... Yes. Hazardous Waste Number: D002  
 CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with all regulations.

SECTION 11 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....Respirator not required with most applications.  
 VENTILATION.....Local exhaust is generally sufficient to minimize exposure.  
 PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots - as necessary to prevent skin contact.  
 EYE PROTECTION.....Chemical goggles.  
 OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

SECTION 12 SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.