

MATERIAL SAFETY DATA SHEET

F-18 MAX

Latest Revision Date...08/25/14

Print Date.....08/25/14

SECTION 1 MANUFACTURER INFORMATION

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

FOR CHEMICAL EMERGENCY
CALL INFOTRAC @ 1-800-535-5053
24 HRS/DAY, 7 DAYS/WEEK

SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER..... PTS F18M
TRADE NAME OR CHEMICAL NAME... F-18 MAX
SYNONYMS..... NA
CHEMICAL FAMILY..... Alkaline Cleaner
NFPA - HEALTH HAZARD..... 3
FIRE HAZARD..... 0
REACTIVITY HAZARD..... 1

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?
Sodium Hydroxide	1310-73-2	<60	2 mg/m3	2 mg/m3	No	No

SECTION 4 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... Corrosive Solid, Basic, Inorganic, N.O.S. (Sodium Hydroxide)
D.O.T. HAZARD CLASS..... Corrosive Material Class 8
D.O.T. LABELS REQUIRED..... Corrosive
UN/NA I.D. NUMBER..... UN 3262
PACKAGING GROUP..... II
NON-BULK SHIPPING NAME..... Corrosive Solid, Basic, Inorganic, N.O.S. (Sodium Hydroxide), 8, UN 3262, PG II
BULK SHIPPING NAME..... NA

SECTION 5 PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... NA
pH..... 13.2 (1% Solution)
VAPOR PRESSURE mm Hg @20° C..... NA
VAPOR DENSITY (Air = 1)..... NA
PERCENT VOLATILE BY WEIGHT (%)..... ND
SPECIFIC GRAVITY @20°C..... NA
SOLUBILITY IN WATER..... 25%
EVAPORATION RATE..... NA
APPEARANCE AND ODOR..... Off-white to tan powder.

SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... NA
AUTOIGNITION TEMPERATURE..... NA
FLAMMABILITY LIMITS IN AIR (% V)... NA

SECTION 6FIRE AND EXPLOSION HAZARD DATA

CONT'D

EXTINGUISHING MEDIA..... Not Combustible
 SPECIAL FIRE FIGHTING PROCEDURES... Wear self-contained breathing apparatus and protective clothing.
 UNUSUAL FIRE & EXPLOSION HAZARDS... NA

SECTION 7REACTIVITY DATA

PRODUCT STABILITY..... Stable
 Conditions to Avoid..... When making solutions with this product, start with cold water when possible and add slowly with agitation to prevent localized heating and spattering of caustic solutions.
 CHEMICAL INCOMPATIBILITY..... Strong acids, strong oxidizers. Sodium Hydroxide reacts with zinc, aluminum, tin and other active metals liberating flammable hydrogen gas.
 HAZARDOUS DECOMPOSITION PRODUCTS... NA
 HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8HEALTH HAZARD DATA

SKIN CONTACT... Contact will cause burns resulting in deep ulceration and ultimate scarring.
 EYE CONTACT... Destructive to eye tissue upon contact. May cause permanent damage and blindness.
 INHALATION.... Dusts may cause damage to the upper respiratory tract and the lung tissue proper.
 INGESTION..... Can cause severe burns and complete tissue perforation of the mouth, throat, esophagus and stomach.

SECTION 9EMERGENCY 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 10ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Wear protective equipment to avoid exposure. Carefully shovel or sweep up for reuse, or place in suitable container for proper disposal. Neutralize residues with dilute acid and flush with water to sanitary sewer.
 WASTE DISPOSAL METHOD..... Corrosive. Dispose of in accordance with all 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 governmental regulations.

SECTION 11SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....NIOSH/MSHA approved filter type mask for dusts, fumes and mists as needed to maintain P.E.L.
 VENTILATION.....Local and/or mechanical exhaust to maintain exposure below P.E.L.
 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 12SUPPLIER 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.