

BAF Industries

MATERIAL SAFETY DATA SHEET

MSDS NUMBER: 57690
 PART NUMBER: C-24
 PRODUCT NAME: PRO POWER ACID CLEANER (Revised 8/06/07)
 CHEMICAL:

SECTION I

MANUFACTURER: BAF INDUSTRIES	HMIS RATING:	NFPA RATING:								
ADDRESS: 8010 DIXIE HWY. FLORENCE, KY 41042	HEALTH: 4	<table style="border: 1px dashed black; width: 100px; height: 100px; margin: auto;"> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">HEALTH</td> <td style="text-align: center;">FIRE</td> </tr> <tr> <td style="text-align: center;">ACID</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">SPEC.HAZ.</td> <td style="text-align: center;">REACT.</td> </tr> </table>	4	0	HEALTH	FIRE	ACID	0	SPEC.HAZ.	REACT.
4	0									
HEALTH	FIRE									
ACID	0									
SPEC.HAZ.	REACT.									
EMERGENCY TELEPHONE NUMBER: (800) 424-9300	FIRE: 0									
INFORMATION TELEPHONE NUMBER: (859) 372-5900	REACTIVITY: 0									
DATE PREPARED: 04/15/98	PERSONAL PROTECTION: H									

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CAS NUMBER	HAZARDOUS COMPONENT	NTP	IARC	SUB-PART/Z	SARA 313	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
7664-39-3	HYDROFLUORIC ACID					3ppm	3ppm		<10
7664-93-9	SULFURIC ACID					1ppm	1ppm		<15
7764-38-2	PHOSPHORIC ACID*** ***(SEE SECTION IX)				Y	1ppm	1ppm		<10

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT	213° F	SPECIFIC GRAVITY (H ₂ O=1)	1.09200
VAPOR PRESSURE (mm Hg.)	3.3	MELTING POINT	29 °F
VAPOR DENSITY (AIR = 1)	>1	EVAPORATION RATE (Butyl Acetate = 1)	>1
SOLUBILITY IN WATER:	TOTAL		
APPEARANCE AND ODOR:	CLEAR LIQUID. ACID ODOR.		
OTHER INFORMATION:	pH = <1		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/AV	FLAMMABLE LIMITS:	LEL: N/AV	UEL: N/AV
EXTINGUISHING MEDIA: DRY CHEMICAL, CO 2, WATER SPRAY.			
SPECIAL FIRE FIGHTING PROCEDURES: SCBA RECOMMENDED.			
UNUSUAL FIRE FIGHTING PROCEDURES: CONTACT WITH REACTIVE METALS MAY PRODUCE HYDROGEN GAS.			

SECTION V - REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY (MATERIALS TO AVOID) : STRONG OXIDIZING AND REDUCING AGENTS, REACTIVE METALS.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: HYDROGEN FLUORIDE GAS, FLUORINE GAS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION, SKIN AND INGESTION.
HEALTH HAZARDS (ACUTE AND CHRONIC): CAUSES SEVERE BURNS OF THE SKIN, EYES AND MOUTH.
SIGNS AND SYMPTOMS OF EXPOSURE: SEE ABOVE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE
EMERGENCY AND FIRST AID PROCEDURES: <p>SKIN: IF THIS PRODUCT CONTACTS SKIN, SEVERE IRRITATION AND TISSUE DAMAGE MAY RESULT. TO MINIMIZE DAMAGE, WASH COPIOUSLY WITH COLD WATER. GET MEDICAL AID.</p> <p>EYES: IF THIS PRODUCT CONTACTS EYES, SEVERE DAMAGE MAY OCCUR. TO MINIMIZE DAMAGE, WASH COPIOUSLY WITH WATER. GET MEDICAL AID.</p> <p>INHALATION: IF THIS PRODUCT IS INHALED, SEVERE DAMAGE MAY RESULT. TO MINIMIZE DAMAGE, REMOVE TO FRESH AIR. GET MEDICAL AID.</p> <p>INGESTION: IF THIS PRODUCT IS SWALLOWED, SEVERE DAMAGE MAY OCCUR. TO MINIMIZE DAMAGE, GIVE LARGE QUANTITY OF MILK OR WATER. GET MEDICAL AID.</p>
OTHER HEALTH WARNINGS: HARMFUL OR FATAL IF SWALLOWED.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WIPE UP CAREFULLY. USE PROTECTIVE GEAR. HIGHLY CORROSIVE LIQUID..

WASTE DISPOSAL METHOD: IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID FREEZING, AVOID HIGH TEMPERATURES.

OTHER PRECAUTIONS: AVOID CONTACT WITH HEAT, ALKALINE MATERIAL OR REACTIVE METALS.

SECTION VIII - CONTROL MEASURES

VENTILATION REQUIREMENTS: AVOID INHALATION OF FUMES. MECHANICAL VENTILATION RECOMMENDED.

PERSONAL PROTECTIVE EQUIPMENT: SAFETY GLASSES, ACID PROOF GLOVES, SYNTHETIC APRON, N.I.O.S.H. ACID GAS RESPIRATOR IS RECOMMENDED.

SECTION IX - ADDITIONAL INFORMATION

ADDITIONAL MANUFACTURER WARNINGS: ***THIS MATERIAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) AND 40 CFR PART 372.

OTHER PRECAUTIONS AND COMMENTS: D.O.T. PROPER SHIPPING NAME = CORROSIVE LIQUID, TOXIC, N.O.S. UN-2922 – CLASS 8.

(CONTAINS HYDROFLUORIC ACID AND SULFURIC ACID)

PACKING GROUP = II

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. BAF INDUSTRIES ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF MATERIAL.

N/AV = NOT AVAILABLE
 N/AP = NOT APPLICABLE

THIS INFORMATION IS PROVIDED TO MEET VARIOUS STATE REGULATORY COMPOSITION REQUIREMENTS:

1.	WATER	CAS# 7732-18-5
2.	SULFURIC ACID	CAS# 7664-93-9
3.	PHOSPHORIC ACID	CAS# 7664-38-2
4.	HYDROFLUORIC ACID	CAS# 7664-39-3
5.	SURFACTANT	MIXTURE

V. O. C. CONTENT: 0 GRAMS PER LITER

THIS PRODUCT DOES NOT CONTAIN ANY MATERIAL WHICH HAS BEEN IDENTIFIED AS A KNOWN CARCINOGEN AS SET FORTH BY I. A. R. C. OR OTHER REGULATORY AGENCY.