

BAF Industries

MATERIAL SAFETY DATA SHEET

MSDS NUMBER: 57581
 PART NUMBER: APG-88
 PRODUCT NAME: PRO-GARD (REVISED 05/06/08)
 CHEMICAL:

SECTION I

MANUFACTURER: BAF INDUSTRIES	HMIS RATING:	NFPA RATING:								
ADDRESS: 8010 DIXIE HWY. FLORENCE, KY 41042	HEALTH: 1	<table style="margin: auto;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">HEALTH</td> <td style="text-align: center;">FIRE</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">SPEC.HAZ.</td> <td style="text-align: center;">REACT.</td> </tr> </table>	1	4	HEALTH	FIRE	3	3	SPEC.HAZ.	REACT.
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HEALTH	FIRE									
3	3									
SPEC.HAZ.	REACT.									
EMERGENCY TELEPHONE NUMBER: (800) 424-9300	REACTIVITY: 3									
INFORMATION TELEPHONE NUMBER: (859) 372-5900	PERSONAL PROTECTION: B									
DATE PREPARED: 10/14/99										

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CAS NUMBER	HAZARDOUS COMPONENT	NTP	IARC	SUB-PART/Z	SARA 313	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
108-10-1	METHYL ISO-BUTYL KETONE* <40			Y	Y		50ppm	50ppm	
67-64-1	ACETONE			Y		750ppm	750ppm		<40
74-98-6	PROPANE			Y		1000ppm	1000ppm		<10
106-97-8	N-BUTANE			REM		800ppm	800ppm		<10
142-82-5	HEPTANE			Y			400ppm	400ppm	

<5
 * SEE SECTION IX

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT	-44 - 243°F	SPECIFIC GRAVITY (H ₂ O=1)	0.7433
VAPOR PRESSURE (mm HG.)	40 PSI	MELTING POINT	N/AP
VAPOR DENSITY (AIR = 1)	HEAVIER	EVAPORATION RATE (Butyl Acetate = 1)	FASTER
SOLUBILITY IN WATER:	NONE		
APPEARANCE AND ODOR:	CLEAR LIQUID WITH AROMATIC ODOR.		
OTHER INFORMATION:	FLAMMABLE AEROSOL		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -4°F (TCC)	FLAMMABLE LIMITS: LEL: 1.0%	UEL: 12.8%
EXTINGUISHING MEDIA: WATER , FOG, DRY CHEMICAL, CO ₂ , FOAM.		
SPECIAL FIRE FIGHTING PROCEDURES: CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT/FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND (MSHA/NIOSH APPROVED/EQUIVALENT) & FULL PROTECTIVE GEAR.		
UNUSUAL FIRE FIGHTING PROCEDURES: VAPORS MAY FORM EXPLOSIVE MIXTURE WITH AIR.		

SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS.
INCOMPATIBILITY (MATERIALS TO AVOID) : NO INFORMATION.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: SMOKE, CARBON MONOXIDE, CARBON DIOXIDE AND OTHER TOXIC FUMES.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: SKIN, EYES, INHALATION, INGESTION.	
HEALTH HAZARDS (ACUTE AND CHRONIC):	REDDENING AND BURNING OF EYES AND SKIN, HARMFUL OR FATAL IF SWALLOWED. POSSIBLE REPRODUCTIVE HAZARD.
SIGNS AND SYMPTOMS OF EXPOSURE:	SEE ABOVE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN.	
EMERGENCY AND FIRST AID PROCEDURES:	REMOVE TO FRESH AIR. FLUSH AFFECTED AREA WITH PLENTY OF WATER. IF SWALLOWED, DO NOT INDUCE VOMITING, GIVE WATER OR MILK. IN ALL CASES SEEK MEDICAL ATTENTION IMMEDIATELY.
OTHER HEALTH WARNINGS: NONE	

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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 WITH A NEUTRAL ABSORBANT AND DRUM FOR PROPER DISPOSAL.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT STORE ABOVE 120°F. AVOID SPARKS AND FLAMES.

OTHER PRECAUTIONS: NONE.

SECTION VIII - CONTROL MEASURES

VENTILATION REQUIREMENTS: GOOD VENTILATION SHOULD BE MAINTAINED.

PERSONAL PROTECTIVE EQUIPMENT: CHEMICAL RUBBER GLOVES AND SAFETY GLASSES. A NIOSH APPROVED ORGANIC RESPIRATOR IS RECOMMENDED WHEN ADEQUATE VENTILATION IS NOT AVAILABLE.

SECTION IX - ADDITIONAL INFORMATION

ADDITIONAL MANUFACTURER WARNINGS: *CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDMENTS ACT OF 1986 (SARA) AND 40 CFR, PART 372.

METHYL ISO-BUTYL KETONE CAS# 108-10-1 <40%

OTHER PRECAUTIONS AND COMMENTS: D.O.T. PROPER SHIPPING NAME = CONSUMER COMMODITY ORM-D

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.	METHYL ISO-BUTYL KETONE	CAS#	108-10-1
2.	ACETONE	CAS#	67-64-1
3.	PROPANE	CAS#	74-98-6
4.	N-BUTANE	CAS#	106-97-8
5.	HEPTANE	CAS#	142-82-5

VOLATILE ORGANIC COMPOUNDS (VOCS): 3.59 LBS/GAL, 430GRAMS/LTR, 58% BY WEIGHT