

MATERIAL SAFETY DATA SHEET

FLUID FILM<sup>®</sup> AEROSOL (AS)

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COMMUNICATION OF PHYSICAL PROPERTY, HEALTH AND SAFETY INFORMATION IS A KEY FACTOR IN OUR PRODUCT SAFETY PROGRAM. WITH THIS INFORMATION, YOU CAN BETTER FULFILL YOUR OBLIGATION TO EDUCATE EXPOSED PERSONNEL IN THE PROPER HANDLING TECHNIQUES REQUIRED TO MAINTAIN SAFETY IN THE WORKPLACE.

LISTED IN THIS SECTION IS NPCA-HMIS CLASSIFICATION FOR THIS PRODUCT:

HAZARD RATING  
 N 4 - EXTREME  
 F 3 - HIGH  
 P 2 - MODERATE  
 A 1 - SLIGHT  
 0 - INSIGNIFICANT

HEALTH	0
FIRE	4
REACTIVITY	0
SPECIAL	

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: FLUID FILM<sup>®</sup>, RUST & CORROSION PREVENTATIVE & LUBRICANT, AEROSOL (AS)  
 PRODUCT CLASS: (AEROSOL) LUBRICANTS

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	PPM	INGREDIENT TLV		
			MG/M	LEL	CAS NO
HYDROCARBON PROPELLANT					
Propane	13.5	1000		2.2	68-476-86-8
N Butane	13.5	800	est	8.4	68-476-86-8

NO KNOWN CARCINOGENIC MATERIALS USED IN FORMULATION

AEROSOL - CONTENTS UNDER PRESSURE 70+/- 5 PSIG

SECTION III - PHYSICAL DATA

BOILING RANGE: Propellant below 0.0 F  
VAPOR DENSITY: Heavier than air  
EVAPORATION RATE: Propellants, faster than ether  
PERCENT VOLATILE BY WEIGHT: 27  
WEIGHT PER GALLON: 7.41, less propellant

SECTION IV - FIRE & EXPLOSION HAZARD DATA

DOT CATEGORY: Consumer Commodity, Orm-D  
FLASH POINT: Propellant below 20°F (T.O.C.)  
Penetrant LUB 405°F (C.O.C.)  
EXTINGUISHING MEDIA: Carbon Dioxide, dry chemical or foam.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not spray near open flame. Keep at room temperature as exposure to direct sunlight or other heat may cause burning.  
SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective - water may be used to keep fire exposed containers cool.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section 11, Hazardous Ingredients  
EFFECTS OF OVEREXPOSURE: In a confined area vapors in high concentration are anesthetic. Irritant to skin and upper respiratory system. Over-exposure may result in light-headedness, staggering gait, giddiness and possible nausea.

EMERGENCY FIRST AID PROCEDURES:

BREATHING: Remove patient to fresh air.  
EYES: Flush with water for at least 15 minutes, call physician.  
SKIN: Wash with soap and water.  
SWALLOWING: Call physician immediately.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Do not store above 120<sup>0</sup>F

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, such as chlorine, nitric acid.

HAZARDOUS DECOMPOSITION PRODUCTS, BY OPEN FLAME: Carbon Monoxide, Carbon Dioxide

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition, ventilate, avoid breathing vapors and remove with inert absorbent.

WASTE DISPOSAL METHOD: Do not incinerate - dispose in accordance with Federal, State and local regulations regarding pollution.

SECTION VIII - SAFE HANDLING & USE INFORMATION

RESPIRATORY PROTECTION: Consumer Use: None required

Industrial Use: Avoid breathing of vapor or spray mist.

VENTILATION: Consumer Use: None required.

Industrial Use: Provide local exhaust ventilation in volume and pattern to keep TLV of most hazardous ingredients, in Section 11, below acceptable limit, and and LEL, in Section 11, below stated limit.

PROTECTIVE GLOVES: Consumer Use: None required.

Industrial Use: Recommended for prolonged or repeated contact.

EYE PROTECTION: Consumer Use: None required..

Industrial Use: For prolonged use in close quarters, recommend safety glasses with unperforated side shields.

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store above 120<sup>0</sup>F. Keep at room temperature as exposure to direct sunlight or heat may cause bursting.

- OTHER PRECAUTIONS:
- Keep away from children.
  - Do not puncture or incinerate.
  - Do not spray near fire or flame.

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THE ABOVE INFORMATION PERTAINS TO THIS PRODUCT AS CURRENTLY FORMULATED AND IS BASED ON THE INFORMATION AVAILABLE AT THIS TIME. ADDITION OF REDUCERS OR OTHER ADDITIVES TO THIS PRODUCT MAY SUBSTANTIALLY ALTER THE COMPOSITION AND HAZARDS OF THE PRODUCT. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.

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