

===== SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION =====

PRODUCT NAME: PREVAL 150 FEET OF ENERGY  
 PRODUCT CODE: 168

COMPANY'S NAME : PREVAL  
 ADDRESS : 1300 NORTH STREET  
 COAL CITY, IL 60416

EMERGENCY PHONE : (815) 634-5890  
 INFORMATION PHONE : (815) 634-5890

===== SECTION 2 - HAZARDS IDENTIFICATION =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
 RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-  
 ORDINATION, POSSIBLE UNCONSCIOUSNESS. INTENTIONAL MISUSE BY DELIBERATELY  
 CONCENTRATING AND INHALING CONTENTS MAY BE HARMFUL OR FATAL.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
 SKIN: CONTACT WITH EVAPORATING LIQUID CAN CAUSE FROSTBITE. EYES: CONTACT CAN  
 CAUSE SEVERE IRRITATION, REDNESS, TEARING, AND BLURRED VISION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
 NOT EASILY ABSORBED. NONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
 NOT A LIKELY ROUTE OF EXPOSURE. IF SWALLOWED, DO NOT INDUCE VOMITING. SEEK  
 IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)  
 ACUTE: IRRITATION, MILD TO SEVERE, OF ALL BODY TISSUES. CHRONIC: NONE KNOWN.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE  
 NONE KNOWN.

===== SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
DIFLUOROETHANE	75-37-6	47500 70	100
OSHA TLV: 1000 PPM			

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313  
 of Title III and of 40 CFR 372 are present. \*\*\*

===== SECTION 4 - FIRST AID MEASURES =====

EMERGENCY AND FIRST AID PROCEDURES  
 INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL  
 RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION. SKIN: WIPE OFF WITH  
 TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
 EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15  
 MINUTES. GET MEDICAL ATTENTION.

===== SECTION 5 - FIRE FIGHTING MEASURES =====

FLASH POINT: -58 F METHOD USED: ESTIMATED  
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 3.9 UPPER: 16.9

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE FROM INTERNAL PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT AND DISCHARGE CONTENTS. VAPOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

===== SECTION 6 - ACCIDENTAL RELEASE MEASURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

===== SECTION 7 - HANDLING AND STORAGE =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE AND USE IN COOL, DRY, WELL-VENTILATED AREAS. DO NOT STORE ABOVE 120 DEG F. DO NOT PUNCTURE OR INCINERATE (BURN) CANS. DO NOT STICK PIN, NAIL OR ANY OTHER SHARP OBJECT INTO OPENING ON TOP OF CAN. DO NOT SPRAY IN EYES. DO NOT TAKE INTERNALLY. SEE PRODUCT LABEL FOR ADDITIONAL INFORMATION.

===== SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION =====

PRECAUTIONS

SMALL PRESSURIZED CONTAINERS OF FLAMMABLE PRODUCTS MAY BE STORED IN AREAS SUITABLE FOR ORDINARY COMBUSTIBLES WITH RESPECT TO CONSTRUCTION, DRAINAGE, CONTROL OF IGNITION SOURCES, AND VENTILATION EXCEPT THAT THEY SHOULD NOT BE STORED IN BASEMENTS.

RESPIRATORY PROTECTION

NONE UNDER NORMAL USE. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PEL/TLV LIMITS.

VENTILATION

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEP PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

PROTECTIVE GLOVES

CONTAINER WILL BECOME COLD DURING USE. WEAR A GLOVE ON THE HAND THAT HOLDS THE CONTAINER.

EYE PROTECTION

NONE UNDER NORMAL USE; HOWEVER, USE OF SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD IS RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NONE UNDER NORMAL USE; HOWEVER, USE OF SOLVENT RESISTANT APRONS OR OTHER CLOTHING IS RECOMMENDED.

WORK/HYGIENIC PRACTICES

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

===== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES =====

BOILING RANGE: -13 F  
VAPOR DENSITY: HEAVIER THAN AIR  
SOLUBILITY IN WATER: NIL  
APPEARANCE AND ODOR: AEROSOL PRODUCT

SPECIFIC GRAVITY (H2O=1): 0.91  
EVAPORATION RATE: FASTER THAN ETHER

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SECTION 10 - STABILITY AND REACTIVITY  
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STABILITY: STABLE  
CONDITIONS TO AVOID  
APPLICATION TO HOT SURFACES. STORAGE ABOVE 120 DEG F. EXPOSURE TO OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID)  
STRONG BASES: CAUSTIC SODA, CAUSTIC POTASH. METALLIC ALUMINUM AND ZINC POWDERS  
SHOULD BE AVOIDED.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS  
MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON  
MONOXIDE AND TOXIC FLUORINE COMPOUNDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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SECTION 11 - TOXICOLOGICAL INFORMATION  
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LONG-TERM TOXICOLOGICAL STUDIES HAVE NOT BEEN CONDUCTED FOR THIS PRODUCT.

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SECTION 12 - ECOLOGICAL INFORMATION  
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LONG-TERM ECOLOGICAL STUDIES HAVE NOT BEEN CONDUCTED FOR THIS PRODUCT.

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SECTION 13 - DISPOSAL CONSIDERATIONS  
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WASTE DISPOSAL METHOD  
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE  
ATTEMPTING CLEAN UP, REFER TO OTHER SECTIONS OF THIS MSDS FOR HAZARD CAUTION  
INFORMATION.

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SECTION 14 - TRANSPORT INFORMATION  
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BY LAND: DOT PROPER SHIPPING NAME: UN1030, 1,1-DIFLUOROETHANE, 2.1, SP-11516  
BY WATER: DOT PROPER SHIPPING NAME: UN1030, 1,1-DIFLUOROETHANE, 2.1  
BY AIR: FORBIDDEN

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SECTION 15 - REGULATORY INFORMATION  
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ALL INGREDIENTS ARE EITHER LISTED ON THE TSCA INVENTORY OR ARE EXEMPT.

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SECTION 16 - OTHER INFORMATION  
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