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**MATERIAL SAFETY DATA SHEET**

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K-G SPRAY-PAK INC.  
8001 KEELE STREET, P.O BOX 89  
CONCORD; L4K 1Y8; ONTARIO  
CANADA 905-669-9855

**PRODUCT: 1808-01-101 05-007 PENETRANT WITH TEFLON 625G**



**Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER ..... K-G SPRAY-PAK INC.  
8001 KEELE STREET P.O. BOX 89  
ONTARIO  
CANADA  
L4K 1Y8  
CANUTEC EMERGENCY #:1-613-996-6666(24HR)  
1808-01-101 05-007 PENETRANT WITH TEFLON 625G  
PRODUCT NAME.....  
CHEMICAL FAMILY..... MIXTURE.  
MOLECULAR WEIGHT..... NOT APPLICABLE.  
CHEMICAL FORMULA..... NOT APPLICABLE.  
TRADE NAMES & SYNONYMS..... 1808-01-101 05-007 PENETRANT WITH TEFLON 625G  
PRODUCT USES..... LUBRICANT.  
FORMULA/LAB BOOK #..... F 01-033A.

**Section 02: COMPOSITION/INFORMATION INGREDIENTS**

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
PERCHLOROETHYLENE (TETRACHLOROETHYLENE)	60-100	25 ppm	127-18-4	2629 mg/kg ORAL - RAT	5200 ppm (4 Hr) INHAL - MOUSE
KEROSENE	3-7	100 ppm	64742-81-0	28 g/kg ORAL - RABBIT	NOT AVAILABLE
ACETONE	3-7	750 ppm	67-64-1	>9750 mg/kg ORAL - RAT	>16,000 ppm (4 hr) INHAL - RAT
MINERAL SPIRITS	1-5	100 ppm	64742-47-8	>5000 mg/kg ORAL - RAT	1400 ppm/4H INHAL - RAT
PETROLEUM BASE OIL	1-5	5 mg/m3	64742-65-0	NOT AVAILABLE	NOT AVAILABLE
CARBON DIOXIDE	1-5	5000 ppm	124-38-9	NOT APPLICABLE	NOT AVAILABLE

**Section 03: HAZARDS IDENTIFICATION**

ROUTE OF ENTRY:  
 INGESTION..... MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.  
 INHALATION..... INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.  
 EYE CONTACT..... MAY CAUSE IRRITATION.  
 SKIN ABSORPTION..... NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.  
 SKIN CONTACT..... MAY CAUSE IRRITATION.  
 EFFECTS OF ACUTE EXPOSURE..... DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.  
 EFFECTS OF CHRONIC EXPOSURE..... SOLVENTS MAY CAUSE DEFATTING DERMATITIS  
 EXPOSURE LIMIT OF MATERIAL..... SEE SECTION 2.

**Section 04: FIRST AID MEASURES**

EMERGENCY FIRST AID PROCEDURE .... IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

**Section 05: FIRE FIGHTING MEASURES**

AUTO IGNITION TEMPERATURE (°C)..... NOT APPLICABLE.  
 SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.  
 FLAMMABILITY..... NOT A FLAMMABLE PRODUCT (AS PER CANADIAN AEROSOL REGULATIONS).  
 IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.  
 EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

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## Section 05: FIRE FIGHTING MEASURES

UPPER FLAMMABLE LIMIT..... 9.4.  
 (% BY VOLUME)  
 LOWER FLAMMABLE LIMIT..... 1.0.  
 (% BY VOLUME)  
 EXPLOSION DATA  
 SENSITIVITY TO STATIC DISCHARGE. NOT APPLICABLE.  
 SENSITIVITY TO IMPACT..... NOT APPLICABLE.  
 HAZARDOUS COMBUSTION..... CARBON DIOXIDE.  
 PRODUCTS..... POSSIBLE PHOSGENE OVER 250 DEG C, CHLORINE GAS, HYDROCHLORIC ACID.  
 HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION  
 IS INCOMPLETE.

AEROSOL FLAME PROJECTION  
 CLASSIFIED AS:..... 0 cm.  
 FLASHBACK..... NONE.  
 FLASH POINT(°C),TAG CLOSED-CUP ..... LOWEST KNOWN VALUE IS ACETONE @-18C.  
 (CONCENTRATE)

## Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND  
 NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A  
 WATERCOURSE.

## Section 07: HANDLING AND STORAGE

STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.  
 ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS  
 BASIS).  
 HANDLING PROCEDURES AND ..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.  
 EQUIPMENT  
 SYNERGISTIC MATERIALS..... NONE KNOWN.

## Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

GLOVES/ TYPE..... WEAR CHEMICAL RESISTANT GLOVES.  
 RESPIRATORY/TYPE..... IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE  
 RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.  
 EYE/TYPE..... SAFETY GLASSES.  
 FOOTWEAR/TYPE..... NOT NORMALLY REQUIRED.  
 OTHER/TYPE..... NOT REQUIRED.

## Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... AEROSOL.  
 APPEARANCE..... CLEAR LT. YELLOW LIQUID.  
 ODOR..... ETHEREAL.  
 ODOR THRESHOLD..... NOT AVAILABLE.  
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 110-120.  
 @ 20 C  
 BOILING POINT (°C)(CONC)..... 57-172.  
 EVAPORATION RATE..... GREATER THAN 1.  
 n-BUTYL ACETATE = 1  
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.  
 (BY WEIGHT)  
 SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.  
 pH..... NOT APPLICABLE.  
 SPECIFIC GRAVITY (LIQUID)..... 1.29-1.33.  
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.  
 FREEZING POINT: (°C)..... NOT AVAILABLE.  
 AEROSOL PERCENT VOLATILE..... 87-88.  
 (BY WEIGHT).  
 SPECIFIC GRAVITY (AEROSOL)..... 1.29-1.33.

## Section 10: STABILITY AND REACTIVITY

HAZARDOUS PRODUCTS OF  
 DECOMPOSITION..... POSSIBLE PHOSGENE OVER 250 DEG C, CHLORINE GAS, HYDROCHLORIC ACID.  
 HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION  
 IS INCOMPLETE.

CHEMICAL STABILITY:  
 YES..... UNDER NORMAL CONDITIONS.  
 NO, WHICH CONDITIONS?..... NOT APPLICABLE.



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Section 16: OTHER INFORMATION

NOTICE FROM K-G SPRAY- PAK INC ..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY K-G SPRAY PAK INC. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. K-G SPRAY PAK INC. ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

PREPARED BY..... Regulatory Affairs  
 PREPARATION DATE ..... May23/13