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**MATERIAL SAFETY DATA SHEET**

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

**PRODUCT: 1808-01-002 RELEASE (PEN OIL) 15.75OZ (446G)**

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

MANUFACTURER ..... K-G SPRAY-PAK INC.  
 8001 KEELE STREET P.O. BOX 89  
 ONTARIO  
 CANADA  
 L4K 1Y8

PRODUCT NAME..... CANUTEC EMERGENCY #:1-613-996-6666(24HR)  
 CHEMICAL FAMILY..... 1808-01-002 RELEASE (PEN OIL) 15.75OZ (446G)  
 MOLECULAR WEIGHT..... PETROLEUM HYDROCARBONS.  
 CHEMICAL FORMULA..... NOT APPLICABLE.  
 TRADE NAMES & SYNONYMS..... MIXTURE.  
 RECOMMENDED PRODUCT USES..... RUST PREVENTATIVE.  
 FORMULA/LAB BOOK #..... F 01-039A.

**Section 02: HAZARDS IDENTIFICATION**



HAZARD CLASSIFICATION..... NOT ASSESSED.  
 SIGNAL WORD..... NOT ASSESSED.  
 HAZARD STATEMENTS ..... NOT ASSESSED.  
 PRECAUTIONARY STATEMENTS..... NOT ASSESSED.  
 OTHER HAZARDS..... NOT ASSESSED.

**Section 03: COMPOSITION/INFORMATION INGREDIENTS**

Hazardous Ingredients	CAS #	Wt. %
ETHYL ACETATE	141-78-6	1-5
ISOBUTANE	75-28-5	5-10
PETROLEUM OIL BLEND (MIXTURE)	64742-52-5	30-60
KEROSENE (PETROLEUM)	8008-20-6	10-30
PROPANE	74-98-6	7-15

**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**

FLAMMABILITY..... EXTREMELY FLAMMABLE.  
 IF YES, UNDER WHICH CONDITIONS?.... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.  
 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 APPARTATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

EXPLOSION DATA

SENSITIVITY TO STATIC DISCHARGE. NOT APPLICABLE.  
 SENSITIVITY TO IMPACT..... NOT APPLICABLE.  
 EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
 HAZARDOUS COMBUSTION

00005901

## MATERIAL SAFETY DATA SHEET

Page 2

PRODUCT: 1808-01-002 RELEASE (PEN OIL) 15.75OZ (446G)

## Section 05: FIRE FIGHTING MEASURES

PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.  
 AEROSOL FLAME PROJECTION  
 CLASSIFIED AS:..... >45cm.  
 FLASHBACK..... NONE.

## 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

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL		REL	NIOSH
				STEL			
ETHYL ACETATE	400 ppm						
ISOBUTANE	1000 ppm						
PETROLEUM OIL BLEND (MIXTURE)	5 mg/m3						
KEROSENE (PETROLEUM)	5 ppm						
PROPANE	1000 ppm						
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.
EXPOSURE LIMIT OF MATERIAL.....							SEE SECTION 2.

## Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... AEROSOL.  
 APPEARANCE..... DARK AMBER.  
 ODOR..... CHARACTERISTIC.  
 ODOR THRESHOLD..... NOT AVAILABLE.  
 pH..... NOT APPLICABLE.  
 FREEZING POINT: (°C)..... NOT AVAILABLE.  
 BOILING POINT (°C)(CONC)..... THE LOWEST KNOWN VALUE IS 75.5C (ETHYL ACETATE).  
 FLASH POINT(°C),TAG CLOSED-CUP ..... LOWEST KNOWN VALUE IS ETHYL ACETATE @ -4C.  
 (CONCENTRATE)  
 EVAPORATION RATE..... LESS THAN 1.  
 n-BUTYL ACETATE = 1  
 UPPER FLAMMABLE LIMIT..... 10.7.  
 (% BY VOLUME)  
 LOWER FLAMMABLE LIMIT..... 2.0.  
 (% BY VOLUME)  
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 55-65.  
 @ 20 C  
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.  
 (BY WEIGHT)  
 SPECIFIC GRAVITY (AEROSOL)..... 0.75-0.79.  
 SPECIFIC GRAVITY (LIQUID)..... 0.88-0.89.  
 SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.  
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.  
 AUTO IGNITION TEMPERATURE (°C)..... 229.  
 AEROSOL PERCENT VOLATILE..... >95.  
 (BY WEIGHT).

00005901

## MATERIAL SAFETY DATA SHEET

Page 3

PRODUCT: 1808-01-002 RELEASE (PEN OIL) 15.75OZ (446G)

## Section 10: STABILITY AND REACTIVITY

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

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

COMPATIBILITY WITH OTHER SUBSTANCES:  
 NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.  
 REACTIVITY CONDITIONS?..... NOT APPLICABLE.

## Section 11: TOXICOLOGICAL INFORMATION

Ingredients	LC50	LD50
ETHYL ACETATE	19,600 ppm	INHAL - RAT (2hrs)
ISOBUTANE	142,500 ppm (4h)	INHAL - RAT
PETROLEUM OIL BLEND (MIXTURE)	NOT AVAILABLE	NOT APPLICABLE
KEROSENE (PETROLEUM)	>5000mg/m <sup>3</sup> (4hours)	INHAL-RAT
PROPANE	NOT AVAILABLE	5000 mg/kg ORAL-RAT
ROUTE OF ENTRY: INHALATION.....		>5000 mg/kg DERMAL-RABBITS
INGESTION.....	INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.	
EYE CONTACT.....	MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.	
SKIN CONTACT.....	MAY CAUSE IRRITATION.	
SKIN ABSORPTION.....	MAY CAUSE IRRITATION.	
EFFECTS OF ACUTE EXPOSURE.....	NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.	
EFFECTS OF CHRONIC EXPOSURE.....	DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES. SOLVENTS MAY CAUSE DEFATTING DERMATITIS . KEROSENE - LIFETIME SKIN PAINTING TESTS INDICATE THAT MATERIALS OF SIMILAR COMPOSITION HAVE PRODUCED SKIN CANCER IN EXPERIMENTAL ANIMALS. THE RELATIONSHIP OF THESE RESULTS TO HUMANS HAS NOT BEEN FULLY ESTABLISHED.	
IRRITANCY OF MATERIAL.....	SKIN/EYE IRRITANT.	
CARCINOGENICITY OF MATERIAL.....	THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC, (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).	
MUTAGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.	
TERATOGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.	
REPRODUCTIVE EFFECTS.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE ANTICIPATED.	
SENSITIZING CAPABILITY OF MATERIAL.....	UNKNOWN.	

## Section 12: ECOLOGICAL CONSIDERATIONS

ENVIRONMENTAL..... NOT AVAILABLE.

## Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

## Section 14: TRANSPORTATION INFORMATION

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.1).  
 D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

## Section 15: REGULATORY INFORMATION

## CANADIAN REGULATIONS:

WHMIS CLASSIFICATION..... A,B5,D2B.  
 CNFC SECTION 3.3.5..... LEVEL 3.

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Section 15: REGULATORY INFORMATION

CEPA (Canadian Environmental Protection Act) ... ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

U.S. REGULATIONS:

HMIS RATING HEALTH..... 2 MODERATE HAZARD.
HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.
HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.
HMIS RATING PERSONAL PROTECTION.. B.
NFPA CODE 30B..... LEVEL 3.

SARA 313 INFORMATION:..... THIS PRODUCT CONTAINS NO INGREDIENTS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

CALIFORNIA PROPOSITION 65:..... NAME: . CAS #: . CHEMICAL . N/A.
THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986: . WARNING: THIS PRODUCT DOES NOT INTENTIONALLY CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. . CAS #: . CHEMICAL NAME:

TSCA (Toxic Substances Control Act)..... . N/A. ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.
VOC (w/w%)..... <50.

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 ..... Jan21/14