

00006382

MATERIAL SAFETY DATA SHEET

Page 1

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

PRODUCT: 1808-03-103 SILICONE 02-030 340G



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)
 PRODUCT NAME..... 1808-03-103 SILICONE 02-030 340G
 CHEMICAL FAMILY..... SILICONE LUBRICANT.
 PRODUCT CODE(S)
 MOLECULAR WEIGHT..... NOT APPLICABLE.
 CHEMICAL FORMULA..... NOT APPLICABLE.
 TRADE NAMES & SYNONYMS..... 1808-03-103 SILICONE 02-030 340G
 PRODUCT USES..... LUBRICANT.
 FORMULA/LAB BOOK #..... F 03-009.

Section 02: COMPOSITION/INFORMATION INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
HEPTANE	30-60	400 ppm	142-82-5	>15000 mg/kg ORAL-RAT	NOT AVAILABLE
ACETONE	5-10	750 ppm	67-64-1	>9750 mg/kg ORAL - RAT	>16,000 ppm (4 hr) INHAL - RAT
ODOURLESS MINERAL SPIRITS	1-5	100 ppm	64742-48-9	5000 mg/kg ORAL - RAT	5,500mg/m3(4h)
ISOBUTANE	7-13	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	10-30	1000 ppm	74-98-6	>5000 mg/kg DERMAL-RABBITS	NOT AVAILABLE

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
 INGESTION..... MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.
 INHALATION..... MAY CAUSE DIZZINESS AND IRRITATION. 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..... NO.
 EFFECTS OF ACUTE EXPOSURE..... DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES. DUST OR VAPORS MAY BE
 IRRITATING TO SKIN, EYES, AND RESPIRATORY TRACT.
 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)..... 465.
 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.
 FLAMMABILITY..... FLAMMABLE.

00006382

MATERIAL SAFETY DATA SHEET

Page 2

PRODUCT: 1808-03-103 SILICONE 02-030 340G

Section 05: FIRE FIGHTING MEASURES

IF YES, UNDER WHICH CONDITIONS?.....	EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
EXTINGUISHING MEDIA.....	WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
FLASH POINT (C), TAG CLOSED CUP.....	LOWEST KNOWN VALUE IS ACETONE @ -18C.
UPPER FLAMMABLE LIMIT.....	12.8.
(% BY VOLUME)	
LOWER FLAMMABLE LIMIT.....	1.0.
(% BY VOLUME)	
EXPLOSION DATA	
SENSITIVITY TO STATIC DISCHARGE.	NOT APPLICABLE.
SENSITIVITY TO IMPACT.....	NOT APPLICABLE.
HAZARDOUS COMBUSTION	
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:.....	>45cm.

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.
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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 EQUIPMENT.....	STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
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.....	LIQUID.
APPEARANCE.....	CLEAR LIQUID.
ODOR.....	CHARACTERISTIC.
ODOR THRESHOLD.....	NOT AVAILABLE.
VAPOUR PRESSURE(PSIG)-AEROSOL.....	45-55.
@ 20 C	
BOILING POINT (°C)(CONC).....	57-200.
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).....	NOT AVAILABLE.
pH.....	NOT APPLICABLE.
SPECIFIC GRAVITY (LIQUID).....	0.67-0.71.
COEFFICIENT OF WATER/OIL DIST.....	NOT AVAILABLE.
FREEZING POINT: (°C).....	NOT AVAILABLE.
(BY WEIGHT).	

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.
COMPATIBILITY WITH OTHER SUBSTANCES:	

00006382

MATERIAL SAFETY DATA SHEET

Page 3

PRODUCT: 1808-03-103 SILICONE 02-030 340G

Section 10: STABILITY AND REACTIVITY

NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.
 REACTIVITY CONDITIONS?..... NOT APPLICABLE.

Section 11: TOXICOLOGICAL INFORMATION

REPRODUCTIVE EFFECTS..... BENZENE - CAUSES FOETOTOXICITY IN ANIMALS AT DOSES WHICH ARE
 MATERNALLY TOXIC. DOES NOT IMPAIR FERTILITY.
 IRRITANCY OF MATERIAL..... SKIN/EYE IRRITANT.
 SENSITIZING CAPABILITY OF MATERIAL..... UNKNOWN.
 CARCINOGENICITY OF MATERIAL..... HEPTANE CONTAINS TRACE AMOUNT OF BENZENE - CARCINOGENIC RISKS TO
 HUMANS BASED ON THE EVALUATION OF IARC WORKING GROUP.
 TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE
 ANTICIPATED.
 MUTAGENICITY..... BENZENE - MAY CAUSE HERITABLE GENETIC DAMAGE.

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

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

Section 15: REGULATORY INFORMATION

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION..... A,B5,D2B.
 CNFC SECTION 3.3.5..... LEVEL 3.
 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..... 3 SERIOUS HAZARD.
 HMIS RATING FLAMMABILITY..... 2 MODERATE HAZARD.
 HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.
 HMIS RATING PERSONAL PROTECTION..... B.
 NFPA CODE 30B..... LEVEL 3.
 SARA 313 INFORMATION..... THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE
 REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND
 AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:
 . CAS #: . N/A. CHEMICAL NAME:
 CALIFORNIA PROPOSITION 65..... THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE
 CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:
 . WARNING: THIS PRODUCT CONTAINS A CHEMICAL
 KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER
 REPRODUCTIVE HARM. . CAS #:
 CHEMICAL NAME: . *71-43-2
 BENZENE (TRACE AMOUNT IN HEPTANE)
 TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY
 IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.
 VOC (w/w%)..... 89-90.

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

00006382

MATERIAL SAFETY DATA SHEET

Page 4

PRODUCT: 1808-03-103 SILICONE 02-030 340G

Section 16: OTHER INFORMATION

PREPARATION DATE May23/13