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

PRODUCT: 03405-2100 38-2100-2 QUICK START STARTING FLUID 311G







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)

03405-2100 38-2100-2 QUICK START STARTING FLUID 311G ORGANIC SOLVENTS.

PRODUCT NAME.....CHEMICAL FAMILY..... MOLECULAR WEIGHT..... NOT APPLICABLE. CHEMICAL FORMULA..... NOT APPLICABLE.

TRADE NAMES & SYNONYMS.....RECOMMENDED PRODUCT USES..... 03405-2100 38-2100-2 QUICK START STARTING FLUID 311G AUTOMOTIVE.

FORMULA/LAB BOOK #...... 99-0007.

Section 02: COMPOSITION/INFORMATION INGREDIENTS

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Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route, Species	LC/50 Route,Species	
LIGHT NAPHTHA - HYDROTREATED	15-40	100 ppm	64742-49-0	24,000 mg/kg ORAL-RAT	14,000-16000 ppm/4h INHAL-RAT	
HEXANE	5-10	50 ppm	110-54-3	25,000 mg/kg ORAL-RAT	48,000 mg/kg INHAL-MOUSE	
CARBON DIOXIDE	3-7	5000 ppm	124-38-9	NOT APPLICABLE	NOT AVAILABLE	
ETHYL ETHER	30-60	400 ppm	60-29-7	1215 mg/kg ORAL - RAT	73000 ppm (150 min.) INHAL - RAT	

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:

INGESTION.....

MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS. INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE INHALATION.....

ASPHYXIANT.

EYE CONTACT..... MAY CAUSE IRRITATION.

SKIN ABSORPTION...... NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE. MAY CAUSE IRRITATION.
DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.

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)......

SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS

TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL

MATERIAL SAFETY DATA SHEET Page 2						
QUICK START STARTING FLUID 311G						
Section 05: FIRE FIGHTING MEASURES						
2.6.						
NOT APPLICABLE. NOT APPLICABLE.						
HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.						
. >45cm BUT <100cm. YES.						
: ACCIDENTAL RELEASE MEASURES						
REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.						
n 07: HANDLING AND STORAGE						
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS						
BASIS). STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.						
. NONE KNOWN.						
OSURE CONTROLS/PERSONAL PROTECTION						
WEAR CHEMICAL RESISTANT GLOVES. IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.						
. SAFETY GLASSES. NOT NORMALLY REQUIRED. NOT REQUIRED.						
PHYSICAL AND CHEMICAL PROPERTIES						
AEROSOL.						
CLEAR COLORLESS LIQUID. ETHEREAL.						
NOT AVAILABLE. . 80 - 90.						
. 35°C (95°F) BASED ON ETHYL ETHER. 64-94°C BASED ON ALIPHATIC NAPHTHA. GREATER THAN 1.						
GREATER THAN 1. NOT AVAILABLE.						
NOT APPLICABLE. 0.67-0.69.						
NOT AVAILABLE. NOT AVAILABLE.						
99-100.						
0.69-0.71.						
10: STABILITY AND REACTIVITY						
. HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.						
UNDER NORMAL CONDITIONS.						
NOT APPLICABLE.						

00000471	MATERIAL SAFETY DATA SHEET Page 3						
PRODUCT: 03405-2100 38-2100-2 QUICK START STARTING FLUID 311G							
Section 11: TOXICOLOGICAL INFORMATION							
REPRODUCTIVE EFFECTS	N-HEXANE- EXCESS EXPOSURE CAN RESULT IN PERIPHERAL NEUROPATHIES. THE INITIAL SYMPTOMS ARE SYMMETRICAL SENSORY NUMBNESS AND PARESTHESIAS OF DISTAL PORTIONS OF THE EXTREMITIES. MOTOR WEAKNESS IS TYPICALLY OBSERVERED IN MUSCLES OF THE TOES AND FINGERS BUT MAY ALSO INVOLVE MUSCLES OF THE ARMS, THIGHS AND FOREARMS. THE ONSET OF THESE SYMPTOMS MAY BE DELAYED FOR SEVERAL MONTHS TO A YEAR AFTER THE BEGINNING OF EXPOSURE. THE NEUROTOXIC PROPERTIES OF N-HEXANE ARE POTENTIATED BY EXPOSURE TO METHYL ETHYL KETONE AND METHYL ISOBUTYL KETONE. PROLONGED EXPOSURE TO HIGH CONCENTRATIONS OF N-HEXANE (>1,000 ppm) HAS RESULTED IN DECREASED SPERM COUNT AND						
IRRITANCY OF MATERIALSENSITIZING CAPABILITY OF MATERIAL. CARCINOGENICITY OF MATERIAL	UNKNOWN. 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). ETHYL ETHER HAS CAUSED BIRTH DEFECTS AND TOXICITY TO THE FETUS IN LABORATORY ANIMALS ONLY AT BASES WHICH ARE TOXIC TO THE						
MUTAGENICITY	MOTHER(DOSES WHICH PRODUCE ANESTHESIA). NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.						
Section 12	2: ECOLOGICAL CONSIDERATIONS						
ENVIRONMENTAL	NOT AVAILABLE.						
Section 1	3: 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 (AEROSOLS, UN1950, CLASS 2.1) . CONSUMER COMMODITY, ORM-D.						
IMDG/IMO: Classification Proper Shipping Name UN Class	AEROSOLS, FLAMMABLE.						
UN NumberPacking GroupMarine Pollutant	1950. N/A.						
Section	15: REGULATORY INFORMATION						
CANADIAN REGULATIONS:							
WHMIS CLASSIFICATIONCNFC SECTION 3.3.5CEPA (Canadian Enviromental Protection Act)							
U.S. REGULATIONS:							
HMIS RATING HEALTHHMIS RATING FLAMMABILITYHMIS RATING REACTIVITY	4 SEVERE HAZARD.						

NFPA CODE 30B.....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.

CAS #: CHEMICAL

CHEMICAL . *110-54-3

NAME: . *110-54-3
N-HEXANE
THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986: CALIFORNIA PROPOSITION 65:....

00000471	MATERIAL SAFETY DATA SHEET P	age 4							
PRODUCT: 03405-2100 38-2100-2 QUICK START STARTING FLUID 311G									
Section 15: REGULATORY INFORMATION									
CALIFORNIA PROPOSITION 65:	CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. . CAS #: CHEMICAL NAM								
TSCA (Toxic Substances Control Act) VOC (w/w%)	. N/A. ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. A IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING. 94-95.	NY							
Section 16: OTHER INFORMATION									
NOTICE FROM K-G SPRAY- PAK INC PREPARED BY	THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY 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 PAINC. ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATH SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR ANY PROCESS.	AK TA							
PREPARATION DATE	Jan21/14								