

GAS LINE ANTI-FREEZE

Stock # 4096

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER..... KLEEN-FLO TUMBLER INDUSTRIES LIMITED
 75 ADVANCE BLVD., BRAMPTON, ON
 L6T 4N1
 905-793-4311

PRODUCT NAME..... GAS LINE ANTI-FREEZE
 PRODUCT CODE..... 4096
 CHEMICAL FORMULA..... MIXTURE.
 CHEMICAL FAMILY..... HYDROCARBON.
 MOLECULAR WEIGHT..... MIXTURE.
 MATERIAL USE..... SOLVENT/CLEANER
 EMERGENCY PHONE NO..... CANUTEC: 613-996-6666

GUIDELINES FOR SDS USE: THE PRODUCT DESCRIBED IN THIS SDS IS A CONSUMER PRODUCT. IT IS SAFE FOR USE BY CONSUMERS AS DESCRIBED ON THE PRODUCT LABEL UNDER NORMAL FORESEEABLE CONDITIONS. THIS SDS IS DESIGNED TO PROVIDE ADDITIONAL VALUABLE SAFETY AND HANDLING INFORMATION.

SECTION 02: HAZARDS IDENTIFICATION

SIGNAL WORD..... DANGER.



HAZARD CLASSIFICATION..... FLAMMABLE LIQUIDS — CATEGORY 2. SKIN IRRITATION — CATEGORY 2. EYE IRRITATION — CATEGORY 2A. ACUTE TOXICITY (ORAL) CATEGORY 5. SPECIFIC TARGET ORGAN TOXICITY — SINGLE EXPOSURE — CATEGORY 3. SPECIFIC TARGET ORGAN TOXICITY — REPEATED EXPOSURE — CATEGORY 2. ASPIRATION HAZARD — CATEGORY 1.

HAZARD STATEMENT..... H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 CAUSES SKIN IRRITATION. H319 CAUSES SERIOUS EYE IRRITATION. H332 HARMFUL IF INHALED. H335 MAY CAUSE RESPIRATORY IRRITATION. H336 MAY CAUSE DROWSINESS OR DIZZINESS. H373 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

PRECAUTIONARY STATEMENT..... P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND OTHER IGNITION SOURCES – NO SMOKING. P233 KEEP CONTAINER TIGHTLY CLOSED. P240 GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. P242 USE ONLY NON-SPARKING TOOLS. P243 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. P260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P264 WASH SKIN THOROUGHLY AFTER HANDLING. P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P303+P361+P353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P304+P312 IF INHALED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P304+P340 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P331 DO NOT INDUCE VOMITING. P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. P340 REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P370+P378 IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL RESISTANT FOAM FOR EXTINCTION. P403+P233 STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. P403+P235 STORE IN A WELL-VENTILATED PLACE. KEEP COOL. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER ACCORDING TO ALL APPLICABLE REGULATIONS.

OTHER HAZARDS..... VAPOURS CAN ACCUMULATE IN LOW AREAS. MAY FORM EXPLOSIVE PEROXIDES. TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

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SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
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ISOPROPYL ALCOHOL

67-63-0

80-100

XYLENE

1330-20-7

10-30

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 04: FIRST AID MEASURES

GENERAL ADVICE:..... CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. MOVE OUT OF DANGEROUS AREA.

IF INHALED:..... IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.

IN CASE OF SKIN CONTACT:..... WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.

IN CASE OF EYE CONTACT:..... WASH EYES WITH COPIOUS AMOUNT OF WATER.

IF SWALLOWED:..... DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN. DO NOT LEAVE VICTIM UNATTENDED.

SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... FLAMMABLE IN THE PRESENCE OF A SOURCE OF IGNITION WHEN THE TEMPERATURE IS ABOVE THE FLASH POINT. KEEP AWAY FROM HEAT/SPARK/OPEN FLAME/HOT SURFACE. NO SMOKING.

SUITABLE EXTINGUISHING MEDIA..... SUITABLE FOR SURROUNDING FIRE. CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER FOG.

HAZARDOUS COMBUSTION PRODUCTS. CARBON OXIDES.

SPECIFIC HAZARDS ARISING FROM THE NO DATA AVAILABLE.

CHEMICAL

SPECIAL PROCEDURES..... EVACUATE HAZARD AREA. WEAR FULL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS. USE WATER TO COOL CONTAINERS.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:..... USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPORS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF VAPOURS ACCUMULATING TO FORM EXPLOSIVE CONCENTRATIONS. VAPOURS CAN ACCUMULATE IN LOW AREAS.

ENVIRONMENTAL PRECAUTIONS:..... PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

METHODS AND MATERIALS FOR CONTAIN SPILLAGE AND THEN COLLECT WITH ELECTRICALLY PROTECTED CONTAINMENT AND CLEAN UP: VACUUM CLEANER OR BY WET-BRUSHING AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING..... HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING MIST OR VAPOUR. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. USE ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE.

CONDITIONS FOR SAFE STORAGE..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. PROTECT CONTAINER FROM PHYSICAL DAMAGE. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE IN A COOL AND WELL-VENTILATED AREA, AWAY FROM DIRECT SUNLIGHT, SOURCES OF INTENSE HEAT, OR WHERE FREEZING IS POSSIBLE.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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ISOPROPYL ALCOHOL 200 ppm

400 ppm

XYLENE 20 ppm

125 ppm

ENGINEERING CONTROLS..... GOOD VENTILATION SHOULD BE PROVIDED TO KEEP VAPOUR AND MIST CONCENTRATIONS BELOW THE EXPOSURE LIMITS.

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SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

SKIN AND BODY PROTECTION.....	COMPLETE SUIT PROTECTING AGAINST CHEMICALS. THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.
RESPIRATORY PROTECTION.....	FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING.
EYE/FACE PROTECTION.....	USE NIOSH APPROVED SUPPLIED-AIR RESPIRATOR.
HYGIENIC MEASURES.....	SPLASH PROOF CHEMICAL GOGGLES. FACE SHIELD.
	USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.
OTHER/TYPE.....	EYE WASH STATION AND SAFETY SHOWER SHOULD BE LOCATED NEAR THE WORK STATION.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	LIQUID.
ODOUR.....	ALCOHOL LIKE.
ODOUR THRESHOLD.....	NO DATA AVAILABLE.
PH.....	NO DATA AVAILABLE.
MELTING POINT/FREEZING POINT (C).....	-88 C.
BOILING POINT.....	82-83 C.
FLASH POINT (C), METHOD.....	12 C (ISOPROPYL ALCOHOL).
EVAPORATION RATE.....	2.3 (nBuAc=1).
FLAMMABILITY (SOLIDS AND GASES).....	NOT APPLICABLE.
UPPER FLAMMABLE LIMIT (% BY VOL.)...	12 % (V).
LOWER FLAMMABLE LIMIT (% BY VOL.)...	2% (V).
VAPOUR PRESSURE.....	6.020 Pa (20 C).
VAPOUR DENSITY (AIR=1).....	NO DATA AVAILABLE.
SPECIFIC GRAVITY (WATER=1).....	0.796.
SOLUBILITY IN WATER (% W/W).....	COMPLETELY MISCIBLE.
AUTO IGNITION TEMPERATURE.....	425 (C).
PARTITION COEFFICIENT:	NO DATA AVAILABLE.
N-OCTANOL/WATER	
DECOMPOSITION TEMPERATURE.....	NO DATA AVAILABLE.
VISCOSITY.....	NO DATA AVAILABLE.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:.....	EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
CHEMICAL STABILITY:.....	STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
POSSIBILITY OF HAZARDOUS REACTIONS.....	VAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.
CONDITIONS TO AVOID:.....	AVOID OPEN FLAMES AND SPARKS.
INCOMPATIBLE MATERIALS :.....	STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON OXIDES.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
ISOPROPYL ALCOHOL	INHALATION-RAT- 16000 ppm - 8h	ORAL-RAT- >5000 MG/KG
XYLENE	INHALATION-RAT- >20 mg/L	ORAL-RAT- >3523 mg/kg
ACUTE TOXICITY:		
ORAL LD50.....	SEE ABOVE.	
INHALATION LC50.....	SEE ABOVE.	
DERMAL LD50.....	RABBIT - 12800 MG/KG.	
SKIN CORROSION / IRRITATION.....	RABBIT - MILD SKIN IRRITATION.	
SERIOUS EYE DAMAGE / EYE IRRITATION	RABBIT-EYE IRRITATION -24h.	
RESPIRATORY OR SKIN SENSITIZATION.	NO DATA AVAILABLE.	
GERM CELL MUTAGENICITY.....	NO DATA AVAILABLE.	
CARCINOGENICITY.....	IARC: 3 - GROUP 3: NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS . IARC: 2B - POSSIBLY CARCINOGENIC TO HUMANS (ETHYLBENZENE).	
REPRODUCTIVE TOXICITY.....	DOES NOT IMPAIR FERTILITY. NOT A DEVELOPMENTAL TOXICANT.	
STOT- SINGLE EXPOSURE.....	MAY CAUSE DROWSINESS OR DIZZINESS.	
STOT - REPEAT EXPOSURE.....	NO DATA AVAILABLE.	
ASPIRATION HAZARD.....	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.	

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SECTION 11: TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS..... INHALATION - MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS. INGESTION - MAY BE HARMFUL IF SWALLOWED. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. EYES - MAY CAUSE EYE IRRITATION. SKIN - MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. MAY CAUSE SKIN IRRITATION.

SIGNS AND SYMPTOMS OF EXPOSURE.. CENTRAL NERVOUS SYSTEM DEPRESSION, PROLONGED OR REPEATED EXPOSURE CAN CAUSE, NARCOSIS, SKIN IRRITATION. OVER EXPOSURE MAY CAUSE MILD, REVERSIBLE LIVER EFFECTS. ASPIRATION MAY LEAD TO, LUNG EDEMA, PNEUMONIA.

SECTION 12: ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY..... READILY BIODEGRADABLE.

BIOACCUMULATIVE POTENTIAL..... NO BIOACCUMULATION IS TO BE EXPECTED.

TOXICITY..... LC50 - PIMEPHALES PROMELAS (FATHEAD MINNOW) - 9,640.00 mg/l - 96 h- (IPA).
EC50 - DAPHNIA MAGNA (WATER FLEA) - 5,102.00 mg/l - 24 h - (IPA).
DISSOLVES IN WATER. IF THE PRODUCT ENTERS SOIL, ONE OR MORE CONSTITUENTS WILL OR MAY BE MOBILE AND MAY CONTAMINATE GROUND WATER.

MOBILITY IN SOIL.....

OTHER ADVERSE EFFECTS..... NO DATA AVAILABLE.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS..... INCINERATION INCLUDING ENERGY RECOVERY OF WASTE MATERIAL IN A PERMITTED FACILITY IN ACCORDANCE WITH LOCAL, STATE OR PROVINCIAL AND FEDERAL REGULATIONS.

PACKAGING..... DISPOSE OF AS UNUSED PRODUCT.

SECTION 14: TRANSPORT INFORMATION

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SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... CONSUMER COMMODITY

HPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE HPR AND THE SDS CONTAINS ALL THE INFORMATION REQUIRED BY THE HPR.

SECTION 16: OTHER INFORMATION

TSCA- LISTED ON INVENTORY

N.A.V.=NOT AVAILABLE

PREPARED BY..... KLEEN-FLO TUMBLER INDUSTRIES LIMITED

PREPARATION DATE..... FEB 21/2017