

10/10/2017

ACE PROPANE FUEL cylinder

Material Safety Data Sheet

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SECTION I - Material Identity

Item Name	
Part Number/Trade Name	PROPANE FUEL
National Stock Number	3439005420531
CAGE Code	5U939
Part Number Indicator	A
MSDS Number	180299
HAZ Code	B

SECTION II - Manufacturer's Information

Manufacturer Name	ACE HARDWARE CORP
Street	21901 SOUTH CENTRAL AVE
City	OAK BROOK
State	IL
Country	US
Zip Code	60443
Emergency Phone	312-720-0600
Information Phone	312-720-0600

MSDS Preparer's Information

Date MSDS Prepared/Revised	01JAN90
Date of Technical Review	16MAR91
Active Indicator	Y

Alternate Vendors

Vendor #1 Name	COOPER TOOLS INCORPORATED
Vendor #1 CAGE	96508
Vendor #5 CAGE	BFDLK

SECTION III - Physical/Chemical Characteristics

Specification Number	A-A-51128
Hazard Storage Compatibility Code	G2-G2
Appearance/Odor	CLEAR/PUNGENT ODOR (MERCAPTAN ADDITIVE)
Boiling Point	-44F -42C
Melting Point	-305F/-151C
Vapor Pressure	300PSIG
Vapor Density	1.52
Specific Gravity	0.51 @60F
Decomposition Temperature	UNKNOWN
Evaporation Rate	<1 (ETHYL ETHER = 1)
Solubility in Water	NEGLIGIBLE
Percent Volatiles by Volume	100
Chemical pH	N/K
Corrosion Rate	UNKNOWN
Container Pressure Code	4
Temperature Code	8
Product State Code	U

SECTION IV - Fire and Explosion Hazard Data

Flash Point	-156
Flash Point Method	UNK
Lower Explosion Limit	2.1 %
Upper Explosion Limit	9.5 %
Extinguishing Media	DRY CHEMICAL, FOAM OR CARBON DIOXIDE
Special Fire Fighting Procedures	EVACUATE AREA - USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS. IF POSSIBLE ALLOW FIRE TO BURN UNTIL GAS FLOW IS STOPPED
Unusual Fire/Explosion Hazards	KEEP EXPOSED CONTAINERS COOL WITH WATER FOG OR SPRAY. HIGHLY FLAMMABLE VAPORS WHICH ARE HEAVIER THAN AIR MAY ACCUMULATE IN LOW AEA AND/OR SPREAD TO REMOTE AREAS

SECTION V - Reactivity Data

Stability	YES
Stability Conditions to Avoid	CYLINDER TEMPERATURES ABOVE 120F, SPARKS, FLAME AND OTHER FORMS OF IGNITION
Materials to Avoid	CHLORINE AND OTHER STRONG OXIDIZERS
Hazardous Decomposition Products	CARBON MONOXIDE, CARBON DIOXIDE
Hazardous Polymerization	NO
Polymerization Conditions to Avoid	NONE. WILL NOT OCCUR
LD50 - LD50 Mixture	NONE SPECIFIED BY MANUFACTURER

SECTION VI - Health Hazard Data

Route of Entry: Skin	YES
Route of Entry: Ingestion	NO
Route of Entry: Inhalation	YES

Health Hazards – Acute and Chronic	EXPOSURE TO 1000 PPM FOR 8 HOURS A DAY, 5 DAYS A WEEK, FOR APPROXIMATELY 2 WEEKS PRODUCES NO ABNORMAL REACTIONS IN HUMANS. SIMPLE ASPHYXIAN. HAS ANESTHETIC ACTION IN HIGH CONCENTRATIONS. LIQUIFIED GAS CAN CAUSE FROST BITE WHEN IT TOUCHES THE SKIN
Carcinogenity: NTP	NO
Carcinogenity: IARC	NO
Carcinogenity: OSHA	NO
Explanation of Carcinogenity	PRODUCT CONTAINS NO MATERIALS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA
Symptoms of Overexposure	EXTREME OVEREXPOSURE CAN CAUSE DIZZINESS OR HEADACHE. CONTACT WITH LIQUIFIED GAS CAN CAUSE FREEZE BURN
Medical Cond. Aggravated by Exposure	REPSIRATORY PROBLEMS MAY BE AGGRAVATED BY EXPOSURE
Emergency/First Aid Procedures	EYE: IMMEDIATLEY FLUSH EYES WITH RUNNING WATER FOR 15 MINUTES. IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION. SKIN: FLUSH SKIN WITH WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE. IF BREATHING CEASES, ADMINISTER ARTIFICIAL RESPIRATION FOLLOWED BY OXYGEN. SEEK MEDICAL ATTENTION. INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled	EVACUATE AREA OF ALL UNNECESSARY PERSONEL. REMOVE ALL SOURCES OF IGNITION. VENTILATE TO REMOVE FUMES. FLUSH LARGE SPILLS WITH WATER. RUN OFF TO SEWERS MAY CAUSE FIRE OR EXPLOSION
Neutralizing Agent	NONE SPECIFIED BY MANUFACTURER
Waste Disposal Method	ALLOW SPILLS TO EVAPORATE. DO NOT INCINERATE TANKS. DO NOT PUNCTURE OR MUTILATE TANKS. BE SURE TANKS ARE EMPTY. DISPOSE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS–NORMALLY IN REGULAR TRASH
Handling and Storage Precautions	NOT STORE OVER 120F OR IN DIRECT SUNLIGHT. STORE AWAY FRO IGNITION SOURCES AND IN WELL-VENTILATED AREA. DO NOT STORE IN LIVING AREA. PO
Other Precautions	POCKETS OF GAS HEAVIER THAN AIR MAY ACCUMULATE IN LOW AREAS AND/OR SPREAD ALONG THE GROUND AWAY FROM HANDLING SITE

SECTION VIII - Control Measures

Respiratory Protection	NOT GENERALLY REQUIRED. WHEN NECESSARY, USE NILSH/MSHA APPROVED SCBA
Ventilation	NATURAL AND/OR EXPLOSION-PROOF VENTILATION RECOMMENDED
Protective Gloves	STANDARD WORK GLOVES
Eye Protection	CHEMICAL GOGGLES
Other Protective Equipment	WHEN SOLDERING OR BRAZING, USE GOGGLES WITH ANSI Z.87 #4 OR #5 LENSES
Work Hygenic Practices	KEEP WORK AREAS FREE OF FLAMMABLE MATERIALS AND UNNECESSARY CLUTTER
Supplemental Health/Safety Data	NONE SPECIFIED BY MANUFACTURER
Disposal Code	O

SECTION IX - Label Data

Protect Eye	YES
Protect Skin	YES
Protect Respiratory	NO
Chronic Indicator	NO
Contact Code	SLIGHT
Fire Code	UNKNOWN

Health Code	UNKNOWN
React Code	UNKNOWN
Specific Hazard and Precaution	VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION. CONTACT WILL CAUSE SEVERE FROSTBITE. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES. DO NOT STORE OVER 120F OR IN DIRECT SUNLIGHT. STORE AWAY FROM IGNITION SOURCES IN WELL VENTILATED AREA. DO NOT STORE IN LIVING AREA. IF INHALED, REMOVE VICTIM TO FRESH AIR.KEEP WARM.GIVE OXYGEN IF PATIENT IS INTOXICATED.CAUTION OF FIRE HAZARD IN LUNGS ADVISED.TREAT BURNS AS USUAL,SYMPTOMATIC AND SUPPORTIVE

SECTION X - Transportation Data

Container Quantity	14.1
Unit of Measure	OZF

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)	4.2557
Volatile Organic Compounds (G/L)	510

SECTION XII - Ingredients/Identity Information

Ingredient #	01
Ingredient Name	PROPANE
CAS Number	74986
NIOSH Number	TX2275000
Proprietary	NO
Percent	>90
OSHA PEL	1000 PPM
ACGIH TLV	ASPHYXIAN; 9192
Recommended Limit	NOT ESTABLISHED
Ingredient #	02
Ingredient Name	PROPYLENE (PROPENE) (SARA III)
CAS Number	115071
NIOSH Number	UC6740000
Proprietary	NO
Percent	<5
OSHA PEL	NOT ESTABLISHED
ACGIH TLV	ASPHIXIAN; 9192
Recommended Limit	NOT ESTABLISHED
Ingredient #	03
Ingredient Name	BUTANE
CAS Number	106978
NIOSH Number	EJ4200000
Proprietary	NO
Percent	<2.5
OSHA PEL	800 PPM
ACGIH TLV	800 PPM; 9192
Recommended Limit	NOT ESTABLISHED

