

EXXON USA -- LP GAS PROPANE WITH ODORANT, 143200-00002
MATERIAL SAFETY DATA SHEET
NSN: 683000N018129
Manufacturer's CAGE: 29700
Part No. Indicator: A
Part Number/Trade Name: LP GAS PROPANE WITH ODORANT, 143200-00002

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General Information
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Company's Name: EXXON CO USA
Company's P. O. Box: 2180
Company's City: HOUSTON
Company's State: TX
Company's Country: US
Company's Zip Code: 77252-2180
Company's Emerg Ph #: 713-656-3424
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 15AUG89
Safety Data Review Date: 06SEP91
MSDS Serial Number: BLXSL
Hazard Characteristic Code: G2

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: PROPANE; (LIQUIFIED PETROLEUM GAS)
Ingredient Sequence Number: 01
Percent: 100
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM
ACGIH TLV: SIMPLE ASPHYXIAN

Proprietary: NO
Ingredient: SUPDAT:OF PROPANE, AN ODORANT/STENCHING AGENT, IS ADDED TO
HELP DETECT POTNTLY HAZ LEAK. ETHYL MERCAPTAN/ANY (ING 3)
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 2:OTHER ODORANT, MAY NOT BE EFTIVE IN ALL CASES ALL THE
TIME & MUST NOT BE EXCLUSIVELY RELIED ON AS SFTY MEASURE.
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: OTHER PREC:SUCH CNTNRS TO HEAT/FLAME/SPKS/STATIC ELEC/OTHER
SOURCES OF IGNIT. THEY MAY EXPLODE & CAUSE INJURY OR (ING 5)
Ingredient Sequence Number: 04
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Proprietary: NO

Ingredient: ING 4:DEATH. DO NOT ATTEMPT TO CLEAN SINCE RESIDUE IS DFCLT TO REMOVE.

Ingredient Sequence Number: 05
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO

Ingredient: HYGIENE PRACT:SKIN THORO AFTER CONTACT, BEFORE BREAKS & MEALS & AT END OF WORK PERIOD.

Ingredient Sequence Number: 06
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO

Ingredient: MELTING POINT:GAS AT AMBIENT TEMPERATURE.

Ingredient Sequence Number: 07
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

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Physical/Chemical Characteristics

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Appearance And Odor: VAPOR & LIQUID ARE COLORLESS; PRODUCT CONTAINS STENCHING AGENT.

Boiling Point: -49F,-45C
Melting Point: INGRED 7
Vapor Pressure (MM Hg/70 F): 208 @ 100F
Vapor Density (Air=1): 1.5
Specific Gravity: 0.5
Evaporation Rate And Ref: GAS @ NORM AMBIENT CNDTNS
Solubility In Water: NEGILGIBLE; <0.1%
Percent Volatiles By Volume: 100
pH: NEUT

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Fire and Explosion Hazard Data

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Flash Point: -0F,-18C
Flash Point Method: TCC
Lower Explosive Limit: 2.1%
Upper Explosive Limit: 9.5%
Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP (FP N). STOP FLOW OF GAS. USE H2O TO KEEP FIRE-EXPOS CNTNRS COOL & TO PROTECT PERS EFFECTING SHUTOFF. IF (SUPDAT)
Unusual Fire And Expl Hazrds: LIQ IS VOLAT & GIVES OFF INVISIBLE VAPS. EITHER LIQ/VAP MAY SETTLE IN LOW AREAS/TRAVEL SOME DIST ALONG GROUND/SURF TO IGNIT SOURCE WHERE THEY MAY IGNITE(SUPDAT)

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: STRONG OXIDANTS SUCH AS LIQ CHLORINE, CONC O2, SODIUM HYPOCHLORITE OR CALCIUM HYPOCHLORITE.
Hazardous Decomp Products: FUMES, SMOKE, CARBON MONOXIDE, ALDEHYDES & OTHER DECOMP PRODS, IN CASE OF INCOMPLETE COMBUSTION.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

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Health Hazard Data
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LD50-LC50 Mixture: LD50:ORAL(RAT)>5 G/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: HLTH STUDIES HAVE SHOWN MANY PETRO HYDROCARBS & SYNTH LUBRICANTS POSE POTNTL HUMAN HLTH RISKS WHICH MAY VARY FROM PERS TO PERS. AS PREC, EXPOS TO LIQS/VAPS/MISTS/FUMES SHOULD BE MINIMIZED. OVEREXP MAY CAUSE GASPING, DISORIENTATION, UNCON & POSS DEATH. TREAT FOR ASPHY. EXPOS TO RAPIDLY EXPANDING GAS/ (EFTS OF OVEREXP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT.
Signs/Symptoms Of Overexp: HLTH HAZ:VAPORIZING LIQ MAY CAUSE FROSTBITE (COLD BURN). SKIN:PRLNG/RPTD CNTCT TENDS TO REMOVE OILS, POSS LEADING TO IRRIT & DERM, NOT CORR/IRRIT. EYES:MAY CAUSE IRRIT. INHAL:LOW ORDER OF ACUTE TOX. SIMPLE ASPHY. INHAL OF EXHST FROM BURNING, SUCH AS CO, MAY CAUSE DEATH @ HIGH CONC. EXPOS TO EXHST SHOULD BE MINIMIZED.
Med Cond Aggravated By Exp: NONE RECOGNIZED.
Emergency/First Aid Proc: EYE:IMMED FLUSH EYES W/POTABLE WATER FOR MINIMUM OF 15 MIN. SEEK ASSIST FROM MD (FP N). SKIN:FLUSH W/COPIOUS AMTS OF WATER. IMMED CNTCT MD FOR TREATMENT OF FROSTBITE. INHAL:REMOVE FROM EXPOS & CALL MD IMMED. IF BRTHG IRREG/STOPPED, START RESUSCITATION, ADMIN O2, IF AVAIL. INGEST:DO NOT INDUCE VOMIT, CALL MD IMMED.

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: SHUT OFF & ELIM ALL IGNIT SOURCES. KEEP PEOPLE AWAY. MIN BRTHG VAPS & SKIN CNTCT. VENT CONFINED SPACES. OPEN WINDOWS & DOORS. VERY HIGH VOLAT OF MATL WILL CAUSE EXTREMELY RAPID EVAP & NO OTHER DISP METH IS NEEDED/SHOULD BE ATTEMPTED.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: SEE SPILL PROC. DISPOSE OF I/A/W ALL FEDERAL, STATE & LOCAL REGULATIONS (FP N). ALL CNTNRS SHOULD BE DISP OF IN ENVIRON SAFE MANNER & I/A/W GOVT REG.
Precautions-Handling/Storing: DANGER:PROD IS COMPRESSED GAS. VERY HIGH VOLAT OF MATL WILL CAUSE EXTREMELY RAPID EVAP. KEEP CNTNRS CLSD WHEN NOT IN USE. AVOID CREATING STATIC ELEC.
Other Precautions: DO NOT FILL/STORE NEAR HEAT/SPKS/FLAME/STRONG OXIDANTS. USE APPROP EQUIP. MIN BRTHG VAP/MIST. AVOID PRLNG/RPTD CNTCT W/SKIN. EMPTY CNTNRS CONTAIN RESIDUE (LIQ &/VAP) & CAN BE DANGEROUS. DO NOT PRESS/CUT/WELD/SOLDER/DRILL/GRIND/EXPOS (ING 4

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Control Measures
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Respiratory Protection: USE NIOSH/MSHA APPROVED SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES.
Ventilation: USE W/VENT SUFFICIENT TO PVNT EXCEEDING RECOMMENDED EXPOS

LIM/BUILDUP OF EXPLO CONC VAP IN AIR.
Protective Gloves: CHEMICAL-RESISTANT GLOVES.
Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).
Other Protective Equipment: CHEMICAL-RESISTANT APRON OR OTHER CLOTHING.
Work Hygienic Practices: REMOVE CONTAM CLTHG, WASH/DRY-CLEAN BEFORE REUSE.
REMOVE CONTAM SHOES & THORO CLEAN & DRY BEFORE REUSE. CLEANSE (ING 6)
Suppl. Safety & Health Data: FIRE FIGHT PROC:LEAK/SPILL HAS NOT IGNITED,
USE H2O SPRAY TO DISPERSE GAS/VAP & TO PROT PERS ATTEMPTING TO STOP LEAK.
MIN BRTHG GASES/VAP/ FUMES/DECOMP PRODS. EXPLO HAZ:OR EXPLODE. EXTREMELY
FLAMM. KEEP PROD AWAY FROM INGIT SOURCES, SUCH AS HEAT/SPKS/PILOT LIGHTS/
STATIC ELEC/OPEN FLAMES. BECAUSE OF HAZ NATURE (ING 2)

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Transportation Data
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Trans Data Review Date: 92065
DOT PSN Code: LLG
DOT Proper Shipping Name: PETROLEUM GASES, LIQUEFIED OR LIQUEFIED
PETROLEUM GAS
DOT Class: 2.1
DOT ID Number: UN1075
DOT Label: FLAMMABLE GAS
IMO PSN Code: LMX
IMO Proper Shipping Name: PETROLEUM GASES, LIQUEFIED o
IMO Regulations Page Number: 2147
IMO UN Number: 1075
IMO UN Class: 2(2.1)
IMO Subsidiary Risk Label: -
IATA PSN Code: TJL
IATA UN ID Number: 1075
IATA Proper Shipping Name: PETROLEUM GASES, LIQUEFIED
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
AFI PSN Code: TJL
AFI Symbols: 0
AFI Prop. Shipping Name: PETROLEUM GASES, LIQUEFIED OR LIQUEFIED PETROLIUM
GAS
AFI Class: 2.1
AFI ID Number: UN1075
AFI Basic Pac Ref: 6-6,6-8

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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 19DEC91
Label Date: 29AUG91
Label Status: G
Common Name: LP GAS PROPANE WITH ODORANT, 143200-00002
Chronic Hazard: NO
Signal Word: DANGER!
Acute Health Hazard-Slight: X
Contact Hazard-Moderate: X
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Special Hazard Precautions: EXTREMELY FLAMMABLE. VAPOR CAN TRAVEL &

EXPLODE. ACUTE: ASPHYXIAN. MATERIAL REDUCES OXYGEN AVAILABLE FOR BREATHING. MAY CAUSE FROSTBITE. MANY PETROLEUM, HYDROCARBONS & SYNTHETIC LUBRICANTS POSE HEALTH RISKS WHICH VARY FROM PERSON TO PERSON. MINIMIZE EXPOURES. MAY CAUSE SKIN DEFATTING, IRRITATION, DERMATITIS. MAY CAUSE EYE IRRITATION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: EXXON CO USA

Label P.O. Box: 2180

Label City: HOUSTON

Label State: TX

Label Zip Code: 77252-2180

Label Country: US

Label Emergency Number: 713-656-3424