

EXXON COMPANY USA -- LPGAS PROPANE W/ODORANT -- 6830-00-261-7445

===== Product Identification =====

Product ID:LPGAS PROPANE W/ODORANT
 MSDS Date:04/10/1986
 FSC:6830
 NIIN:00-261-7445
 MSDS Number: BKYJX
 === Responsible Party ===
 Company Name:EXXON COMPANY USA
 Box:2180
 City:HOUSTON
 State:TX
 ZIP:77252-2180
 Info Phone Num:(713) 656-5949 656-2443
 Emergency Phone Num:(713) 656-5949 656-2443
 CAGE:DO849

==== Contractor Identification ====

Company Name:EXXON COMPANY U.S.A.
 Box:2180
 City:HOUSTON
 State:TX
 ZIP:77252-2180
 Country:US
 Phone:713-656-5949 / 713-656-3424
 CAGE:29700
 Company Name:EXXON COMPANY USA
 Box:2180
 City:HOUSTON
 State:TX
 ZIP:77252-2180
 Country:US
 Phone:713-656-5949; 800-298-4007
 CAGE:DO849

===== Composition/Information on Ingredients =====

Ingred Name:PROPANE
 CAS:74-98-6
 RTECS #:TX2275000
 Fraction by Wt: 100%
 Other REC Limits:1800 MG/CUM
 OSHA PEL:1000 PPM
 ACGIH TLV:ASPHYXIAN; 9192

Ingred Name:ODORANT

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT): >5 G/KG
 Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
 Health Hazards Acute and Chronic:INHALATION: ASPHYXIATION. SKIN:
 FROSTBITE, REMOVE OILS, IRRITATION, & DERMATITIS. EYES: IRRITATION.
 INGESTION: HARMFUL.
 Explanation of Carcinogenicity:NONE
 Effects of Overexposure:INHALATION: ASPHYXIATION. SKIN: FROSTBITE,
 REMOVE OILS, IRRITATION, & DERMATITIS. EYES: IRRITATION. INGESTION:

HARMFUL.

=====
===== First Aid Measures =====

First Aid:SKIN: TREAT FOR FROSTBITE. INHALATION: REMOVE TO FRESH AIR.
GIVE CPR OR OXYGEN IF NEEDED. INGESTION: DON'T INDUCE VOMITING.
EYES: OBTAIN MEDICAL ATTENTION IN ALL CASES.

=====
===== Fire Fighting Measures =====

Flash Point Method:TCC
Flash Point:<0F
Lower Limits:2.1%
Upper Limits:9.5%
Extinguishing Media:FOLLOW THE NFPA, FIRE PROTECTION GUIDE ON HAZARDOUS
MATERIALS.
Fire Fighting Procedures:STOP FLOW OF GAS. USE WATER TO KEEP
FIRE-EXPOSED CONTAINERS COOL/PROTECT PERSONNEL. USE WATER SPRAY TO
DISPERSE GAS/VAPOR. USE SCBA IN ENCLOSED/CONFINED AREAS.
Unusual Fire/Explosion Hazard:AUTOIGNITION TEMP: 842F. FLAMMABLE
LIQUID.

=====
===== Accidental Release Measures =====

Spill Release Procedures:SHUT OFF & ELIMINATE IGNITION SOURCES.
EVACUATE AREA. VENTILATE CONFINED SPACES. OPEN ALL WINDOWS & DOORS.

=====
===== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM HEAT/SPARKS/PILOT
LIGHTS/STATIC ELECTRICITY/OPEN FLAME/KEEP CLOSED WHEN NOT IN USE.
AVOID BREATHING GASESVAPORS/FUMES & CONTACT W/SKIN.
Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE/BE DANGEROUS. DON'T
PRESSURIZE/CUT/WELD/BRAZE/SOLDER/DRILL/GRIND, MAY EXPLODE/CAUSE
INJURY/DEATH. WORK ON TANKS REFER TO OSHA/GOVT/INDUSTRIAL
REFERENCES FOR CLEANING/RE PAIRING/WELDING/CONTEMPLATED OPERATIONS.

=====
===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE SUPPLIED-AIR RESPIRATOR IN CONFINED OR
ENCLOSED AREAS.
Ventilation:USE SUFFICIENT VENTILATION TO KEEP <TLV OR BUILDUP OF
EXPLOSIVE CONCENTRATIONS OF VAPOR IN AIR. EXPLOSION-PROOF EQUIP.
Protective Gloves:CHEMICAL RESISTANT
Eye Protection:SAFETY GLASSES
Other Protective Equipment:CHEMICAL RESISTANT APRON OR OTHER CLOTHING.
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING/SHOES
BEFORE REUSE. WASH AFTER CONTACT/BEFORE BREAKS/MEALS/END OF DAY. NO
SMOKING.

Supplemental Safety and Health

=====
===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text: -49 TO 32F
Vapor Pres: 208 PSIG
Vapor Density:1.5
Spec Gravity:0.50
pH: 7
Solubility in Water:NEGLIGIBLE
Percent Volatiles by Volume:100%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM OR CALCIUM HYPOCHLORITE.

Stability Condition to Avoid: HEAT, FLAME, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products: FUMES, SMOKE, CO, ALDEHYDES, & OTHER PRODUCTS OF INCOMPLETE COMBUSTION.

===== Disposal Considerations =====

Waste Disposal Methods: HIGH VOLATILITY OF MATERIAL WILL CAUSE EXTREMELY RAPID EVAPORATION, NO DISPOSAL METHOD IS NEEDED OR SHOULD BE ATTEMPTED. CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY MANNER IN ACCORDANCE W/L OCAL/STATE/FED REGS. FLAMMABLE LIQUID. UN1075.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.