

VICTOR EQUIPMENT CO -- (0916-0004) LIQUIDFIED PETROLEUM GAS OR PROPANE --  
3433-01-161-4998

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

Product ID:(0916-0004) LIQUIDFIED PETROLEUM GAS OR PROPANE

MSDS Date:04/01/1998

FSC:3433

NIIN:01-161-4998

Status Code:A

MSDS Number: CKNRD

=== Responsible Party ===

Company Name:VICTOR EQUIPMENT CO

Address:2800 AIRPORT RD

Box:1007

City:DENTON

State:TX

ZIP:76202

Country:US

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Info Phone Num:940-566-2000

Emergency Phone Num:940-566-2000

Preparer's Name:TALEM, INC

Chemtrec Ind/Phone:(800)424-9300

CAGE:63026

=== Contractor Identification ===

Company Name:SPECIALTY TOOLS INC

Address:1123 S. HATCHER AVE

Box:City:ROWLAND HEIGHTS

State:CA

ZIP:91748-1003

Country:US

Phone:626-912-4467

Contract Num:SP0400-00-V0896

CAGE:7W874

Company Name:VICTOR EQUIPMENT CO

Address:2800 AIRPORT RD

Box:1007

City:DENTON

State:TX

ZIP:76202

Country:US

Phone:940-566-2000

CAGE:63026

===== C

Composition/Information on Ingredients =====

Ingred Name:PROPANE  
CAS:74-98-6  
RTECS #:TX2275000  
= Wt:100.  
Code:F  
OSHA PEL:100 PPM  
ACGIH TLV:NOT LISTED

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

LD50 LC50 Mixture:ORAL (RAT) IS UNKNOWN.  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: MAY CAUSE HEADACHES AND  
DIZZINESS. MAY CAUSE ASPHYXIATION IN HIGH CONCENTRATIONS. PROLONGED  
INHALATION MAY BE HARMFUL. EYE C  
ONTACT: DIRECT CONTACT WITH  
LIQUIFIED GAS CAN RESULT IN EYE BURNS . SKIN CONTACT: NO HAZARD IN  
NORMAL INDUSTRIAL USE. INGESTION: INGESTION IS NOT LIKELY, PRODUCT  
IS A GAS AT ROOM TEMPERATURE. CHRONIC: UNKNOWN.  
Explanation of Carcinogenicity:NOT LISTED IN NTP,IARC, OSHA REG.  
Effects of Overexposure:HEADACHES, DIZZINESS, ASPHYXIATION, BURNS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First A  
id:INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE  
ARTIFICIAL RESPIRATION AND/OR GIVE OXYGEN BY TRAINED PERSONNEL.  
SEEK MEDICAL ATTENTION. EYE CONTACT: IMMEDIATELY FLUSH EYES WITH  
PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
SKIN CONTACT: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF  
IRRITATION DEVELOPS OR PERSISTS. INGESTION: NO EMERGENCY CARE  
ANTICIPATED.

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

Flash Point:=-1  
04.4C, -156.F  
Autoignition Temp:=467.8C, 874.F  
Lower Limits:2.3  
Upper Limits:9.5  
Extinguishing Media:DO NOT EXTINGUISH. USE WATER TO COOL CONTAINERS.  
INCREASE VENTILATION TO PREVENT FLAMMABLE AIR MIXTURE.  
Fire Fighting Procedures:EVACUATE AREA AND FIGHT FIRE FROM A SAFE  
DISTANCE. DO NOT EXTINGUISH A GAS FIRE UNLESS EFFECTIVE IMMEDIATE  
SHUT-OFF OF GAS FLOW IS POSSIBLE. EXPLOSIVE VAPORS COULD FORM. AS  
IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS  
(PRESSURE-DEMAND, MSHA/

NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:DO NOT EXTINGUISH. USE WATER TO COOL CONTAINERS. INCREASE VENTILATION TO PREVENT FLAMMABLE AIR MIXTURE. HAZARDOUS COMBUSTION PRODUCTS: SMOKE, CARBON MONOXIDE, CARBON DIOXIDE.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES INCLUDING INTERNAL COMBUSTION ENGINES AND POWER TOOLS. VENTILATE AREA. ISOLATE HAZARD ARE

A. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. AVOID BREATHING VAP ORS. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE SPARK-PROOF TOOLS AND EXPLOSION PROOF EQUIPMENT. GROUND AND BOND CONTAINERS WHEN TRANSFERRING MATERIAL. DO NOT REUSE THIS CONTAINER. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR V

APOR) AND CAN BE DANGEROUS. KEEP

AWAY FROM HEAT, SPARKS AND FLAME. STORE IN A COOL DRY PLACE.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OTHER SOURCES OF IGNITION.THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRU MS SHOULD BE COMPLETELY DRAINED, PROPERLY SEALED AND PROMPTLY RETURED TO DRUM RECONDITIONER, OR DISPOSED OF PROPERLY.

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

Respiratory Protection:A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

Ventilation:USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) A

ND A

FACE SHIELD.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:G2

Boiling Pt:=-42.2C, -44.F

Melt/Freeze Pt:=-187.6C, -306.F

Vapor Pres:7600 MMHG@80C

Vapor Density:1.5 AIR=1

Spec Gravity:0.50

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS GAS WITH NO ODOR. IF ODORIZED, WILL HAVE

ROTTEN EGG ODOR.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS.

Stability Condition to Avoid:HEAT, IGNITION SOURCES.

Hazardous Decomposition Products:SMOKE, CARBON MONOXIDE, CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE WASTE OR UNUSED MATERIAL. RETURN IN CONTAINER

PROPERLY LABELED, WITH VALVE

PROTECTION CAP IN PLACE TO THE SUPPLIER FOR PROPER DISPOSAL.

CLASSIFICATION REQUIRED BEFORE DISPOSAL. MATERIAL IS CLASSIFIED AS IGNITABLE WITH RCRA D001 HAZARDOUS WASTE NUMBER. FOLLOW ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.

===== MSDS Transport Information =====

Transport Information:PROPER SHIPPING NAME: LIQUIFIED PETROLEUM GAS, 2.1. HAZARD CLASS: FLAMMABLE GAS (2.1), UN 1075. DOT EMERGENCY GUIDE #: 22. REPOR

TABLE QUANTITY (RQ): 2,000,000 POUNDS (PROPANE)  
IN A SINGLE CONTAINER.

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===== Regulatory Information =====  
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SARA Title III Information:311/312 HAZARD CATEGORIES: ACUTE, IGNITABLE,  
SUDDEN RELEASE OF PRESSURE. 313 REPORTABLE INGREDIENTS: NONE.

Federal Regulatory Information:TSCA (TOXIC SUBSTANCE CONTROL ACT) ALL  
COMPONENTS ARE LISTED ON THE TSCA INVENTORY. CERCLA (COMPREHENSIVE  
ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT): 2,000,000

POUNDS. MANUFACTURER RECOMM ENDS CONTACTING LOCAL AUTHORITIES FOR  
OTHER REPORTING REQUIREMENTS.

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