

TEXACO CHEMICAL COMPANY -- 6001 PROPANE -- 6830-00-261-7445

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

Product ID:6001 PROPANE

MSDS Date:01/01/1987

FSC:6830

NIIN:00-261-7445

MSDS Number: BWMD5

=== Responsible Party ===

Company Name:TEXACO CHEMICAL COMPANY

Box:27707

City:HOUSTON

State:TX

ZIP:77227

Country:US

Info Phone Num:713-235-6094 / 302-378-2000

Emergency Phone Num:800-424-9300TRANS/HLTH 914-831-3400

CAGE:19630

=== Contractor Identification ===

Company Name:SCHAGRIN GAS COMPANY (302-378-2000)

CAGE:SCHAG

Company Name:TEXACO CHEMICAL CO DIV OF TEXCAO INC

Address:4800 FOURNACE PL

Box:City:BELLAIRE

State:TX

ZIP:77401

Country:US

Phone:713-961-3711

CAGE:19630

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

Ingred Name:PROPANE

CAS:74-98-6

RTECS #:TX2275000

Fraction by Wt: 86%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

Ingred Name:BUTANE

CAS:106-97-8

RTECS #:EJ42000

00

Fraction by Wt: 3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:800 PPM

Ingred Name:PROPYLENE (SARA 313)

CAS:115-07-1

RTECS #:UC6740000

Fraction by Wt: 5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHANE

CAS:74-84-0

RTECS #:KH3800000

Fraction by Wt: 6%

Other REC Limits:NONE RECOMMENDED

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: FROSTBITE (COLD BURNS). SKIN:

FROSTBITE

(COLD BURNS). INHALATION: NOSE/THROAT IRRITATION,

HEADACHE, NAUSEA, VOMITING, DIZZINESS, DROWSINESS, EUPHORIA,

UNCOORDINATION, DISORIENTATION, UNCONSCIOUSNESS, ASPHYXIATION,

RESPIRATORY PARALYSIS (UNCONSCIOUSNESS, DEATH). \*\*\*

Effects of Overexposure:\*\*\* ALKYL MERCAPTAN VAPORS (E.G. METHYL

MERCAPTAN, ETHYL MERCAPTAN) CAUSE IRRITATION OF THE EYE AND

RESPIRATORY TRACT. REPEATED OVEREXPOSURE HAS BEEN ASSOCIATED WITH  
FATIGUE, HEADACHE, NAUSEA, IRRITABILITY, AND EYE AND THROA

T

IRRITATION. PROLONGED EXPOSURE TO HIGH CONCENTRATIONS CAN PRODUCE  
PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:THERE IS NO EVIDENCE THAT THIS  
PRODUCT AGGRAVATES AN EXISTING MEDICAL CONDITION.

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

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER AT LEAST 15

MINUTES. HOLD EYELIDS APART WHILE FLUSHING TO RINSE ENTIRE SURFACE

OF EYE & LIDS WITH WATER. GET MED AID. SKIN: IN CASE OF COLD BURN,

IMM

EDIATEL Y PLACE AFFECTED AREA IN WARM WATER (105F) & KEEP AT THIS TEMPERATURE TILL CIRCULATION RETURNS. GET MEDICAL ATTENTION. INGESTION: NO EMERGENCY CARE ANTICIPATED. THIS MAT'L IS GAS AT STD TEMP & PRESSURE

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

Flash Point:-156F,-104C

Autoignition Temp:Autoignition Temp Text:874 F

Lower Limits:2.37

Upper Limits:9.5

Extinguishing Media:WATER SPRAY, CLASS A-B-C OR BC FIRE EXTINGUISHER.

\* ASTM D-93

Fire Fighting

Procedures:STOP FLOW.USE H2O TO COOL FIRE-EXPOS

CNTNR/PROTECT PERSONNEL.ALLOW TO BURN OUT.SMALL:USE DRY

CHEM,CO2.WEAR SCBA & PROTECT CLOTH.USE NON SPARK TOOLS.GROUND/BOND

Unusual Fire/Explosion Hazard:EASILY FORMS EXPLOSIVE AIR/VAPOR MIX,MAY

TRAVEL,BE IGNITED AT REMOTE LOCATIONS/FLASHBACK.CONTAINER MAY

EXPLODE IN FIRE.DON'T EXPOSE TO HEAT,SPARK,STATIC,IGNIT\*\*

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

Spill Release Procedures:SMALL:FLUSH IMMED W/WATER

FOLLOWED BY

NEUTRALIZING W/LIME OR SODA ASH. IF WATER NOT AVAILABLE,COVER

W/SAND OR GRAVEL THEN NETURALIZATION. LARGE:CONTAIN IF POSSIBLE.

AVOID BREATHING VAPOR. USE SCBA/SUP PLIED AIR MASK. DON'T ALLOW TO

ENTER DRAIN/SEWER.#

Neutralizing Agent:LIME OR SODA ASH # CAN CAUSE EXPLOSION.AVOID

CONTACT W/EYES,SKIN,CLOTHES.

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

Handling and Storage Precautions:MINIUMUM FEASIBLE HANDLING

TEMPERATURES SHOULD BE

MAINTAINED. PERIODS OF EXPOSURE TO HIGH

TEMPERATURES SHOULD BE MINIMIZED.

Other Precautions:WATER CONTAMINATION SHOULD BE AVOIDED.

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

Respiratory Protection:AIRBORNE CONCENTRATIONS SHOULD BE KEPT TO LOWEST

LEVELS POSSIBLE. IF VAPOR, MIST OR DUST IS GENERATED, USE

RESPIRATOR APPROVED BY OSHA OR NIOSH AS APPROPRIATE. SUPPLIED AIR

RESPIRATOR PROTECTION SHOUL D BE USED FOR CLEANING LARGE SPILL OR

##

Ventilation:US

E EXPLOSION PROOF EQUIP TO MAINTAIN VENT TO MEET EXPOSURE LIMITS. PREVENT ACCUMULATION OF EXPLOSION AIR/GAS MIX ###

Protective Gloves:RESISTNT TO CHEMS & PETROLEUM DISTILLATE

Eye Protection:CHEM TYPE GOGGLES W/FACE SHIELD

Other Protective Equipment:WEAR PROTECTIVE CLOTHING

(UNIFORMS,COVERALLS,LAB COATS).BOOTS RESISTANT TO CHEMICALS & PETROLEUM DISTILLATES REQUIRED.

Work Hygienic Practices:LAUNDER OR DRY CLEAN WHEN SOILED. INSULATED GLOVES ALSO REQUIRED IF CONTACT WITH LIQUID COOL

ED PRODUCT OR EQUIP

EXPECTED

Supplemental Safety and Health

## UPON ENTRY INTO TANKS, VESSELS, OR OTHER CONFINED SPACES. SEE INGREDIENTS FOR APPLICABLE PERMISSIBLE CONCENTRATIONS.

### AND AVOID S

IGNIFICANT OXYGEN DISPLACEMENT. OXYGEN LEVELS SHOULD BE AT LEAST 19.5% IN CONFINED SPACE OR OTHER WORK AREAS.

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

Boiling Pt:B.P. Text:-40F,-40C

Vapor Pres:10 @ 27

Vapor Density:1.551

Spec Gravity:0.5077 (H

20=1)

Solubility in Water:APPREC

Appearance and Odor:COLORLESS LIQUIFIED GAS; IF ODORIZED WILL HAVE A ROTTEN EGG SMELL.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:HEAT \*\* SOURCES. WHEN HANDLING, USE NON-SPARKING TOOLS, GROUND AND BOND ALL CONTAINERS.

Hazardous Decomposition Products:NONE

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

Waste Disposal

Methods: UNDER RCRA, RESPONSIBILITY OF PRODUCT USER TO DETERMINE, AT TIME OF DISPOSAL, WHETHER PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE, BECAUSE USES, TRANSFORMATIONS, MIXTURES, PROCESSES, MAY CHANGE CLASSIFICATION TO HAZARD/NON-HAZARDOUS. EPA WASTE CODE D001

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