

MOBIL OIL CORP, NORTH AMERICAN MARKETING AND REFINING -- PETROLEUM GAS LIQUIDS --
3439-00-542-0531

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

Product ID:PETROLEUM GAS LIQUIDS

MSDS Date:02/24/1997

FSC:3439

NIIN:00-542-0531

Status Code:A

MSDS Number: CJJNZ

=== Responsible Party ===

Company Name:MOBIL OIL CORP, NORTH AMERICAN MARKETING AND REFINING

Address:3225 GALLOWS ROAD

City:FAIRFAX

State:VA

ZIP:22037

Country:US

Info Phone Num:800-662-4525; 609-224-4644

Emergency Pho

ne Num:609-737-4411

Chemtrec Ind/Phone:(800)424-9300

CAGE:3U728

=== Contractor Identification ===

Company Name:MAGNA INDUSTRIES INC

Address:2201 WEST 110TH STREET

Box:City:CLEVELAND

State:OH

ZIP:44102

Country:US

Phone:216-251-3334 OR 800-969-3334

Contract Num:SP0490-98-M-W510

CAGE:0AJN5

Company Name:MOBIL OIL CORP, NORTH AMERICAS MARKETING AND REFINING

Address:3225 GALLOWS ROAD

Box:City:FAIRFAX

State:VA

ZIP:22037

Country:US

Phone:800-662-4525/ 856-224-4644

CAGE:3U728

===== Composition/

Information on Ingredients =====

Ingred Name:LIQUEFIED PETROLEUM GAS (LPG)

CAS:68476-85-7

RTECS #:SE7545000

= Wt:100.

Other REC Limits:1800 MG/M3/1000 PPM

OSHA PEL:1800 MG/M3;1000 PPM

ACGIH TLV:1800 MG/M3;1000 PPM

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

LD50 LC50 Mixture:LC50 (INH, RAT) > 5 MG/L

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

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

Explanation of Carcinogenicity:NONE

Effects of Overexp

posure:IRRITATION OR FREEZE BURNS IF CONTACT WITH

LIQUID OCCURS, RESPIRATORY IRRITATION, DIZZINESS, NAUSEA,

CONVULSION, LOSS OF CONSCIOUSNESS, HEADACHE, WEAKNESS, DEATH

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

First Aid:EYE CONTACT: FLUSH THOROUGHLY WITH WATER. IF IRRITATION
OCCURS, CALL A PHYSICIAN. SKIN CONTACT: IF FREEZE BURNS OCCUR,
IMMERSE INVOLVED AREA IN WARM WATER (BETWEEN 100 AND 110F, NOT
EXCEEDING 112F). K EEP IMMERSED FOR 30 TO 60 MINU

TES. SEEK MEDICAL

ASSISTANCE. INHALATION: REMOVE FROM FURTHER EXPOSURE. IF
RESPIRATORY IRRITATION, DIZZINESS, NAUSEA, OR UNCONSCIOUSNESS
OCCURS, SEEK IMMEDIATE MEDICAL AS SISTANCE AND CALL A PHYSICIAN. IF
BREATHING HAS STOPPED, USE A POSITIVE PRESSURE RESUSCITATOR.
INGESTION: NOT EXPECTED TO OCCUR IN NORMAL INDUSTRIAL USE.

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

Flash Point Method:PMCC

Flash Point:-88.9C, -128.F

Melt/Freeze Pt:>-187.2C, -305.F

V

apor Pres:MMHG 20 C:>1000.0
Vapor Density:1.6
Spec Gravity:0.5 - 0.6
Solubility in Water:NEGILGIBLE
Appearance and Odor:LIQUIFIED GAS, COLORLESS, NO ODOR
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS
Stability Condition to Avoid:HEAT, SPARKS, FLAME AND BUILD UP OF STATIC
ELECTRICITY.
Hazardous Decomposition Products:CARBON MONOXIDE.
Conditions to Avoid Polymerization:WILL NOT O
CCUR

===== Toxicological Information =====

Toxicological Information:DERMAL TOXICITY (RABBITS): NOT APPLICABLE.
INHALATION TOXICITY (RATS): PRACTICALLY NON-TOXIC (LC50: GREATER
THAN 5 MG/L). -- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE
COMPONENTS. EYE IRRITATIO N (RABBITS): PRACTICALLY NON-IRRITATING.
(DRAIZE SCORE: 0 OR GREATER BUT 6 OR LESS). -- BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR COMPONENTS. SKIN IRRITATION (RABBITS):
PR
ACTICALLY NON-IRRITATING. (PRIMARY IRRITATION INDEX: 0.5 OR
LESS). -- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS.

===== Ecological Information =====

Ecological:NOT ESTABLISHED.

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

Waste Disposal Methods:PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED,
CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED
INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO THE RES
OURCE
CONSERVATION AND RECOVERY ACT. IN ADDITION, THE PRODUCT IS
SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING FACILITY. OBSERVE
ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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

Transport Information:PETROLEUM GASES, LIQUEFIED, HAZARD CLASS & DIV
2.1, ID NUMBER UN1075, ERG NUMBER 115. IMO: HAZARD CLASS & DIV
2.1, UN MUBER 1075, SHIPPING NAME- PETROLEUM GASES, LIQUEFIED,
FLAMMABLE GAS. IATA: HAZA RD CLA

SS & DIV 2.1, ID/UN NUMBER 1075,
SHIPPING NAME- PETROLEUM GASES, LIQUEFIED, LABEL- FLAMMABLE GAS,
CARGO AIRCRAFT ONLY.

===== Regulatory Information =====

SARA Title III Information:THIS PRODUCT CONTAINS NO CHEMICALS THAT ARE
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III
OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986
AND 40 CFR PART 372

Federal Regulatory Information:DISPOSAL OF UNUSED PRODUCT MAY BE

SUBJECT TO RCRA REGULATIONS (40 CFR 261) DUE TO THE CHARACTERISTIC:
FLASH POINT: