

FRONTIER AVIATION CHEMICALS -- QUELL -- 6850-00-060-5312

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

Product ID:QUELL
MSDS Date:01/01/1987
FSC:6850
NIIN:00-060-5312
MSDS Number: BNPV
=== Responsible Party ===
Company Name:FRONTIER AVIATION CHEMICALS
Address:11806 NORTH GARDEN
City:HOUSTON
State:TX
ZIP:77071
Country:US
Info Phone Num:713-270-4011
Emergency Phone Num:713-270-4011
CAGE:FRONT
=== Contractor
Identification ===
Company Name:FRONTIER AVIATION CHEMICALS
Address:11806 NORTH GARDEN
Box:City:HOUSTON
State:TX
ZIP:77071
Country:US
Phone:713-270-4011
CAGE:FRONT

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

Ingred Name:2-METHOXYETHANOL (EGME) (SARA III)
CAS:109-86-4
RTECS #:KL5775000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S, 25 PPM
ACGIH TLV:S, 5 PPM; 9192

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

LD50 LC50 Mixture:

ORAL RAT LD50 IS 2460 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO BODY TISSUES.

IT IS SLIGHTLY TOXIC BY INHALATION, INGESTION OR SKIN ABSORPTION
PRODUCING BLOOD CHANGES, AND KIDNEY DAMAGE. CHRONIC: PRODUCT SHOWS
FETAL TOXICITY AND TESTICUAL DAMAGE IN LAB ANIMALS.

Explanation of Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY
IARC, NTP, OR OS

HA.

Effects of Overexposure:EYE AND MCOUS MEMBRANE IRRITATION, HEADACHE,
DIZZINESSS, BLURRED VISION,DROWSINESS, DEFECTIVE MUSCLE CONTROL,
TREMORS AND ANEMIA.

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY
SUPPLIER

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:REMOVE
CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. WASH WITH SOAP &
WATER. INHALED:REMOVE TO FRESH AIR. RESTORE B
REATHING AS NEEDED.

INGESTED:IMMEDIA TELY GIVE 2 LARGE GLASSES OF MILK OR WATER AND
INDUCE VOMITING. (NOTHING BY MOUTH IF UNCONSCIOUS.) GET IMMEDIATE
MEDICAL CARE. IF ANY IRRITATION PERSISTS OR IS SEVERE, SEE A
DOCTOR.

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

Flash Point Method:CC

Flash Point:107F,42C

Lower Limits:1.8

Upper Limits:14

Extinguishing Media:USE WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, HALON
1211. DO NOT USE WATER STREAM.

Fire Fight

ing Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:THIS FIELD CUT OFF WHEN MSDS WAS
DUPLICATED.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. USE PROPER
PROTECTIVE EQUIPMENT. SOAK UP WITH INERT ABSORBENT AND SHOVEL INTO
WASTE CONTAINER. COVER AN

D REMOVE FROM WORK AREA.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:HANDLE WITH PARTICULAR CARE AND USE ONLY IN WELL VENTILATED AREAS. KEEP EXPOSURE TO A MINIMUM. FOLLOW NFPA PROCEDURES. KEEP COOL.

Other Precautions:STORE IN A WELL VENTILATED AREA. KEEP AWAY FROM HEAT, DIRECT SUNLIGHT, SOURCES OF IGNITION, AND STRONG OXIDIZING AGENTS.

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===== Exposure Controls/Personal Protection =====
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Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ORGANIC VAPOR IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:PROVIDE GENERAL AND LOCAL EXHAUST SUFFICIENT TO MAINTAIN EXPOSURES TO LESS THAN TLV/PEL.

Protective Gloves:IMPERVIOUS

Eye Protection:SPLASH GOGGLES + FULL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER, PLUS

IMPERVIOUS APRON AND BODY COVERING CLOTHING.

Work Hygienic Practices:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Supplemental Safety and Health
NONE

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

HCC:F4

Boiling Pt:B.P. Text:255F,124C

Vapor Pres:7.3 MM

Vapor Density:2.6

Spec Gravity:0.964

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID, MILD AGREEABLE ODOR

Percent Volatiles by Volume:100

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

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Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS, USE OF ALUMINUM EQUIPMENT.

Stability Condition to Avoid: WILL IGNITE IN AIR AT 545F.

Hazardous Decomposition Products: THERMAL DECOMPOSITION PRODUCTS INCLUDE CARBON DIOXIDE, AND CARBON MONOXIDE

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

Waste Disposal Methods: DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER SUGGESTS THAT DISPOSAL MAY BE DONE BY INCINERATION OR HAZARDOUS WASTE LAND FILL. DISPOSE OF EMPTY CONTAINERS IN SAME TYPE LANDFILL .

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