

JETCO INC. -- JET-START FAST FLASH FUEL,NO. 60 #1224 -- 2910-00-646-9727

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

Product ID:JET-START FAST FLASH FUEL,NO. 60 #1224

MSDS Date:11/05/1986

FSC:2910

NIIN:00-646-9727

MSDS Number: BGXHK

=== Responsible Party ===

Company Name:JETCO INC.

Address:3920 W. CLARENDON AVE

City:PHOENIX

State:AZ

ZIP:85019

Country:US

Info Phone Num:602-269-5971

Emergency Phone Num:N/K 8

00-424-9300 (CHEMTREC)

CAGE:KO619

=== Contractor Identification ===

Company Name:JETCO INC

Address:3920 W CLARENDON AVE

Box:City:PHOENIX

State:AZ

ZIP:85019-3608

Country:US

Phone:602-269-5971

CAGE:50999

Company Name:JETCO INC.

Address:3920 W. CLARENDON AVE.

Box:City:PHOENIX

State:AZ

ZIP:85001

Country:US

Phone:602-269-5971

CAGE:KO619

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

Ingred Name:ETHYL ETHER (SARA III)

CAS:60-29-7

RTECS #:KI5775000

Fraction by Wt: 87%.

OSHA PEL

:400 PPM/500 STEL  
ACGIH TLV:400PPM/500STEL; 9192  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingrid Name:PROPELLANTS(AS PRESSURIZING GASES, INERT IN NATURE & DONOT  
ADD TO HAZARDOUS QUALITY OF MIX) "TRADE SECRET"  
Fraction by Wt: 13%

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

LD50 LC50 Mixture:LDLO(HUMAN)=420MG/KG-ORAL  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:PROLONGED  
EXPOSURE MAY RESULT IN  
RESPIRATORY FAILURE & DEATH. TOXICITY DATA, ORAL: RAT LD50=1.7  
G/KG; HUMAN LDLO=420 MG/KG. SKIN: NONE FOUND; INHAL: RAT  
LC50=73,000 PPM/150 MIN.  
Effects of Overexposure:INHAL:VAPORS & MISTS IRRITATE RESPIRATORY  
TRACT. AT HIGH CONC., HEADACHE,NAUSEA,VOMITING, & COMA AT VERY  
HI-CONC OR PROLONGED EXPOSURE MAY CAUSE UNCONSCIOUSNESS OR DEATH.  
EYES: VAPORS IRRITATE, LIQUID WILL IRRITATE AND MAY BURN;  
SKIN:IRRITATES AFTER PROLONGED CONTACT & MAY BURN  
; ING: IN LARGE  
QTY,HEADACHE,STUPOR  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS OR EYE  
PROBLEMS OR IMPAIRED LIVER,KIDNEY OR RESPIRATORY FUNCTION IN  
SUSCEPTIBLE PERSONS. ALCOHOLIC BEVERAGE CONSUMPTION CAN ENHANCE  
TOXIC EFFECTS OF THIS SUBSTANCE.

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

First Aid:INHAL:REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT  
BREATHING. GET IMMEDIATE MED ATTN.; EYE CONTACT:FLUSH W/ LOTS OF  
RUN  
NING WATER FOR 15 MIN. LIFTING UPPER & LOWER EYELIDS  
OCCASIONALLY, GET IMMEDIATE MED ATTN.; SKIN: WASH W/ LOTS OF SOAP  
& WATER. REMOVE CONTAMIN CLOTHING & SHOES. WASH BEFORE REUSE. GET  
MED ATTN IF IRRITAT AFTER WASHING. INGEST:IF CONSCIOUS,INDUCE  
VOMITING.

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

Flash Point Method:TCC  
Flash Point:-49F/-45C  
Lower Limits:1.85  
Upper Limits:48.  
Extinguishing Media:WATER, ALCOHOL FOAM, CARBON DIOXIDE, OR DRY  
CHEMICA

LS.

Fire Fighting Procedures:AVOID FLAMES OR SPARKS; FLOOD AREA W/ WATER & ALLOW MIX TO EVAPORATE TO OUTSIDE AIR.

Unusual Fire/Explosion Hazard:NOT MISCIBLE IN WATER,BUT SOLUBLE TO 6.5%. BECAUSE OF LOW BOILING PT, BEST TO TREAT AS A GAS. EXERCISE CAUTION TO AVOID CONTACT BTWN VAPOR & HOT SURFACES.

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

Spill Release Procedures:EXTINGUISH ALL IGNITION SOURCES & ENSURE THAT ALL HANDLING EQUIPMENT IS ELECTRICALLY GROUNDED.

LARGE SPILLS:N/A;

SMALL SPILLS:MOP OR WIPE UP & DISPOSE OF IN DOT-APPROVED WASTE CONTAINER. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS, & SOILS.

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

Handling and Storage Precautions:HANDLE CAREFULLY IN OPEN, WELL-VENTILATED AREAS. STORE AWAY FROM HEAT AND/OR ALL IGNITION SOURCES, AT TEMPS LOWER THAN 122F/50C.

Other Precautions:AN EYEWASH & SOURCE OF RUNNING WATER SHOULD BE NEARBY & READY FOR USE

. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING W/ THIS SUBSTANCE.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN INHALATION EXPOSURE BELOW PEL/TLV, USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29CFR1910.134, INSTRUCTIONS/WARNINGS & NIOSH RESPIRATOR DECISION LOGIC-PUB #87.108;

Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURE BELOW PEL/TLV.

Protective Gloves:NITRILE OR IMPERVIOUS TYPE FOR TASK.

Eye Protection:CHEMICAL GOGGLES OR AS APPROPRIATE.

Other Protective Equipment:AS REQUIRED FOR TASK AT HAND TO MINIMIZE EXPOSURE.

Work Hygienic Practices:CYLINDERS THAT CONTAIN THIS ENGINE STARTING FLUID ARE TO BE HANDLED CAREFULLY IN OPEN, SPARK-FREE, WELL VENTILATED AREA.

Supplemental Safety and Health

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

HCC:G2

Boiling Pt:B.P. Text:94F/35C

Melt/Freeze Pt:M.P/F.P Text:-177F/-116C  
Vapor Pres:442 @ 68F  
Vapor Density:2.56  
Spec Gravity:0.710 @ 77F  
Evaporation Rate & Reference:(BUTYL ACETATE=1),6.9  
Solubility in Water:65 GMS/LITER @ 68F  
Appearance and Odor:COLORLESS LIQUID W/SWEET PUNGENT ODOR.  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:NO  
OXIDIZING MATERIALS.  
Stability Condition to Avoid:CONDITIONS FAVORING PEROXIDE FORMATION,  
HEAT  
, & IGNITION SOURCES.  
Hazardous Decomposition Products:OXIDES OF CARBON (CO, & CO\*2) &  
PEROXIDES.

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

Waste Disposal Methods:DISPOSE OF CONTAMINATED PRODUCT & MATERIAL USED  
IN CLEANING UP SPILLS OR LEAKS IN A MANNER FOR THIS MATERIAL.  
CONSULT APPROPRIATE FED,STATE & LOCAL REGULATORY AGENCIES TO  
ASCERTAIN PROPER DISPOSAL PRO CEDURES.

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