

JAY INSTRUMENT & SPECIALTY CO -- JET-START FAST FLASH FUEL,NO. 45 -- 2910-00-505-7420

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Product Identification
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Product ID:JET-START FAST FLASH FUEL,NO. 45

MSDS Date:11/05/1986

FSC:2910

NIIN:00-505-7420

MSDS Number: BFBWM

=== Responsible Party ===

Company Name:JAY INSTRUMENT & SPECIALTY CO

Address:555 N. WAYNE AVE

City:CINCINNATI

State:OH

ZIP:45215-2871

Country:US

Info Phone Num:513-733-

5215 / FAX 513-733-5242

Emergency Phone Num:513-733-5215

CAGE:24188

=== Contractor Identification ===

Company Name:CHESAPEAKE ASSOC. ENT.

Address:22 NEWPORT DR

Box:City:FOREST HILL

State:MD

ZIP:21050

Country:US

Phone:410-838-0260

CAGE:7R834

Company Name:J I CASE CO.

Address:700 STATE STREET

Box:City:RACINE

State:WI

ZIP:53404

Country:US

Phone:414-636-6011

CAGE:10988

Company Name:JAY INSTRUMENT & SPECIALTY CO

Address:555 N. WAYNE AVE

Box:City:CINCINNATI

State:OH

ZIP:45215-2871

Country:US

Phone:513

-733-5215
CAGE:24188
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:KAMPI COMPONENTS CO., INC.
Address:210 RT 13
Box:721
City:BRISTOL
State:PA
ZIP:19007-3517
Country:US
Phone:215-736-2000
CAGE:7Z016

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Composition/Information on Ingredients
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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

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

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Hazards Identification
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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
RESPIRATOR FAILURE &

DEATH; TOXICITY DATA< ORAL: RAT LD50 = 1.7
G/KG; HUMAN LDLO = 420 MG/KG. SKIN: NONE FOUND; INHAL: RAT LC50 @
73.000/150 MIN.

Effects of Overexposure:INHAL:VAPOR & MISTS IRRITATE RESPIRATORY TRACT.
AT HI-CONC; HEADACHES, NAUSEA, VOMITING, & COMA.AT VERY HI-CONC OR
PROLONGED EXPOSURE MAY CAUSE UNCONSCIOUSNESS OR DEATH. EYES: VAPORS
IRRITATE, LIQUID, WILL IRRITATE & MAY BURN; SKIN: IRRITATES AFTER
PROLONGED CONTACT & MAY BURN; ING: IN LARGE QTY, HEADACHE,STUPOR.

Medical Cond

Aggravated by Exposure:PRE-EXISTING SKIN DISORDER OR EYE
PROBLEM 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
RUNNING WATER FOR 15 MIN. LIFTING UPPER & LOWER EYELI

DS

OCCASIONALLY G ET IMMED. MED. ATTN.; SKIN: WASH W/ LOTS OF SOAP &
WATER. REMOVE CONTAMIN. CLOTHING & 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
CHEMICALS

Fire Fighting Procedures:AVOID FLAMES OR SPARKS; FLO
OD AREA W/ WATER &

ALLOW MIX TO EVAPORATE TO OUTSIDE AIR.

Unusual Fire/Explosion Hazard:NOT MISCIBLE IN WATER, BUT SOLVUBLE 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 & SOIL.

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Handling and Storage
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Handling and Storage Precautions:HANDLE AREFULLY 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 WITH THIS SUBSTANCE.

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

Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES 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:CYLINDER THAT CONTAIN THIS ENGINE STARTING FLUID ARE TO BE HANDLED CAREFULLY IN OPEN, SPARK-FREE WELL-VENTILATED AREA.

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC:G2

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

Melt/Freeze Pt:M.P/F.P Text:-177F/-116C

Vapor Pres:442 @ 68F

V

apor 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

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

OXIDING 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 & MATERIALS
UUSED IN CLEANING UP SPILLS OR LEAKS IN A MANNER FOR THIS MATERIAL.
CONSULT APPROPRIATE FED., STATE & LOCAL REGULATORY AGENCIES TO
ASCERTAIN PROPER DISPOSAL PROCEDURES.

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