

KBI/KOLD BAN INTERNATIONAL LTD -- ENGINE PRIMING FUEL

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MSDS Safety Information
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FSC: 2910
NIIN: 01-342-8947
MSDS Date: 08/03/1998
MSDS Num: CKKVW
Product ID: ENGINE PRIMING FUEL
MFN: 02
Responsible Party
Cage: 53203
Name: KBI/KOLD BAN INTERNATIONAL LTD
Address: 900 PINGREE RD
City: LAKE IN THE HIL
LS (FORMERLY ALGONQUIN) IL 60102-9670
Info Phone Number: 708-658-8561
Emergency Phone Number: (800)424-9300
Resp. Party Other MSDS No.: TRI-21666

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Item Description Information
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Item Manager: S9C
Item Name: ENGINE START CARTRI
Unit of Issue: EA
UI Container Qty: 0

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES
Skin: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: INHALATION: DIZZINESS, STRONG ANESTHESIA, INTOXICATION,
UNCONSCIOUSNESS. SKIN CONTACT: IRRITATION UPON PROLONGED CONTACT, DEFATTING
OF SKIN. EYE CONTACT: IRRITATION
Explanation Of Carcinog

enicity: THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR
POTENTIAL CARCINOGENS AS LISTED PER NTP, IARC, ACGIH, OR OSHA (29 CFR
1910.1200 (D)#4)

Signs And Symptoms Of Overexposure: NHALATION: DIZZINESS, STRONG ANESTHESIA,
INTOXICATION, UNCONSCIOUSNESS. SKIN CONTACT: IRRITATION UPON PROLONGED
CONTACT, DEFATTING OF SKIN. EYE CONTACT: IRRITATION

First Aid: INHALATION: REMOVE TO FRESH AIR, ARTIFICIAL RESPIRATION. GET
IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUSH AREA WELL WITH SOAP AND
WATE

R. AVOID PROLONGED SKIN CONTACT BY REMOVING AND WASHING ANY CL OTHING
SOAKED WITH PRODUCT. EYE CONTACT: FLUSH EYES WELL WITH RUNNING WATER FOR 15
MINUTES. INGESTION: CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
PROPER TREATMENT IS DEPENDENT ON CONDITION O F PATIENT AND AMOUNT INGESTED.

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Handling and Disposal
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Spill Release Procedures: KEEP AWAY FROM HEAT, FIRE, SPARKS OR FL
AME. IF

CONTENTS ARE RELEASED OR SPILLED, VENTILATE AREA WELL. CO2 MAY BE USED AS A
PRECAUTIONARY VAPOR BLANKET. SMALL AMOUNTS MAY BE FLUSHED AWAY WITH WATER.

Waste Disposal Methods: DISPOSE OF CONTENTS PROMPTLY IN SEALED METAL
CONTAINERS, IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. DO
NOT PUNCTURE OR INCINERATE CONTAINER. AVOID ANY CONTAMINATION OF GROUNDWATER.

Handling And Storage Precautions: DO NOT STORE WHERE TEMPERATURE MAY EXCEED
120F. DO NOT STORE NEAR HEAT, FI
RE, FLAME, OR SPARKS. STORE IN SUITABLE AREA
FOR HAZARDOUS MATERIALS STORAGE.

Other Precautions: READ ALL CAUTIONARY INFORMATION ON CYLINDERS AND USE ONLY IN
ACCORDANCE WITH DIRECTIONS. DO NOT USE NEAR HEAT, FIRE, FLAME OR SPARKS. DO
NOT SPRAY IN DIRECTION OF BODY. USE ONLY WITH GOOD VENTILATION. KEEP AWAY
FROM CHILDREN.

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Fire and Explosion Hazard Information
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Flash Point Metho

d: TCC

Flash Point: <-48.7C, -56.F

Lower Limits: 1.8

Upper Limits: 48.0

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER FOG OR MIST ONLY,
ALCOHOL FOAM.

Fire Fighting Procedures: AVOID POSSIBLE ACCUMULATION OF FLAMMABLE VAPORS AT
LOW LEVELS, AS VAPOR IS HEAVIER THAN AIR. SELF-CONTAINED BREATHING APPARATUS
AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMI
CALS.

Unusual Fire/Explosion Hazard: AVOID HAZARDOUS CONTAINER PRESSURES. CONTAINERS
MAY EXPLODE IN

FIRE. DO NOT STORE WHERE TEMPERATURE MAY EXCEED 120F. DO NOT PUNCTURE OR INCINERATE CONTAINER.

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Control Measures
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Respiratory Protection: IF TLV IS EXCEEDED WEAR NIOSH-APPROVED BREATHING DEVICE OR RESPIRATOR.

Ventilation: MUST BE ADEQUATE TO MAINTAIN VAPORS AT LESS THAN 400 PPM, PARTICULARLY AT FLOOR LEVEL AS VAPORS ARE HEAVIER THAN AIR. AVIOD EXCESSIVE BREATHING OF VAPOR.

Protective Gloves: NONE NEEDED FOR NORMAL USE. NITRILE/OTHER IMPERVIOUS TYPE FOR PROLONGED EXPOS

Eye Protection: SAFETY GLASSES OR GOGGLES RECOMMENDED. VAPORS MAY IRRIATE EYES.

Other Protective Equipment: AVOID CONTACT WITH SKIN, EYES, OR CLOTHING.
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Physical/Chemical Properties
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HCC: G2

Boiling Point: =34.4C, 94.F

B.P. Text: DIETHYL ETHER

Vapor Density: 2.5

Spec Gravity: 0.70

Evaporation

Rate & Reference: APPROX 6(BUTYL ACETATE=1)

Solubility in Water: APPROX 6% AT 70F

Appearance and Odor: PALE YELLOW TO CLEAR LIQUID, STRONG ETHERAL ODOR.

Percent Volatiles by Volume: 86%
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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: HEAT, SPARKS, FLAMES, STRONG OXIDIZERS.

Materials To Avoid: CONTENTS OF CYLINDERS SHOULD NOT BE EXPOSED TO AIR AND LIGHT UNS

TABLE EXPLOSIVE PEROXIDES MAY BE FORMED AND CONCENTRATE BY EVAPORATION TO HAZARDOUS LEVELS. GENERALLY STABLE IN SEALED METAL CONTINERS.

Hazardous Decomposition Products: CARBON MONOXIDE MAY FORM ON COMBUSTION.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.
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Toxicological Information
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ological Information

MSDS Transport Information

Transport Information: PSN PER MSDS: LIQUIFIED GAS, FLAMMABLE, N.O.S., 2.1, UN3161 (CONTAINS DIETHYL ETHER). CARGO AIRCRAFT ONLY.

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 53203
Trans ID NO: 152883
Product ID: ENGINE PRIMING FUEL
MSDS Prepared Date: 08/03/1998
Review Date: 05/08/2000
MFN: 2
Tech Entry NOS Shipping Nm: CONTAINS DIETHYL ETHER.
Multiple KIT Number: 0
Unit Of Issue: EA
Contain
er QTY: 0
Additional Data: PSN PER MSDS. FORBIDDEN BY PASSENGER AIRCRAFT.

Detail DOT Information

DOT PSN Code: IIB
Symbols: G
DOT Proper Shipping Name: LIQUEFIED GAS, FLAMMABLE, N.O.S.
Hazard Class: 2.1
UN ID Num: UN3161
Label: FLAMMABLE GAS
Packaging Exception: 306
Non Bulk Pack: 304
Bulk Pack: 314,315
Max Qty Pass: FORBIDDEN
Max Qty Cargo: 150 KG
Vessel Stow Req: D
Water/Ship/Other

Req: 40

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Detail IMO Information
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IMO PSN Code: IZT
IMO Proper Shipping Name: LIQUEFIED GAS, FLAMMABLE, N.O.S. o
IMDG Page Number: 2155-1
UN Number: 3161
UN Hazard Class: 2(2.1)
IMO Packaging Group: -
Subsidiary Risk Label: -
EMS Number: 2-07
MED First Aid Guide NUM: 620
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Detail IATA Information
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IATA PSN Code: PDC
IATA UN ID Num: 3161
IATA Proper Shipping Name: LIQUEFIED GAS, FLAMMABLE, N.O.S. *
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: FORB
Max Quant Pass: FORB
Max Quant Cargo: 150 KG
Packaging Note Cargo: 200
Exceptions: A1
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Detail AFI Information
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AFI PSN Code: PDC
AFI Symbols: *
AFI Proper Shipping Name: LIQUEFIED GASES, FLAMMABLE, N.O.S.
AFI Hazard Class: 2.1
AFI UN ID NUM: UN3161
Special Provisions: P4
Back Pack Reference: A6.3, A6.5
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HAZCOM Label
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Product ID: ENGINE PRIMING FUEL
Cage: 53203
Company Name: KBI/KOLD BAN INTERNATIONAL LTD
Street: 900 PINGREE RD
City: LAKE IN THE HILLS (FORMERLY ALGONQUIN) IL
Zipcode: 60102-9670
Health Emergency Phone: (800)424-9300
Label Required IND: Y
Date Of Label Review: 05

/08/2000

Status Code: A

Year Procured: 2000

Origination Code: F

Eye Protection IND: YES

Signal Word: DANGER

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: INHALATION: DIZZINESS, STRONG ANESTHESIA, INTOXICATION, UNCONSCIOUSNESS. SKIN CONTACT: IRRITATION UPON PROLONGED CONTACT, DEFATTING OF SKIN. EYE CONTACT: IRRITATION. FIRST AID: INHALATION: REMOVE TO FRESH AIR, ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUSH AREA WELL WITH SOAP AND WATER. AVOID PROLONGED SKIN CONTACT BY REMOVING AND WASHING ANY CLOTHING SOAKED WITH PRODUCT. EYE CONTACT: FLUSH EYES WELL WITH RUNNING WATER FOR 15 MINUTES. INGESTION: CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. PROPER TREATMENT IS DEPENDENT ON CONDITION OF PATIENT AND AMOUNT INGESTED.

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