

KBI/KOLD BAN INTERNATIONAL LTD -- STARTING FLUID CYLINDER -- 2910-00-646-9727

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Product Identification
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Product ID:STARTING FLUID CYLINDER

MSDS Date:12/08/1989

FSC:2910

NIIN:00-646-9727

MSDS Number: BJJFQ

=== Responsible Party ===

Company Name:KBI/KOLD BAN INTERNATIONAL LTD

Address:900 PINGREE RD

City:LAKE IN THE HILLS

State:IL

ZIP:60102-9637

Country:US

Info Phone Num:708-658-8561

CAGE:5

3203

=== Contractor Identification ===

Company Name:KBI/KOLD BAN INTERNATIONAL LTD

Address:900 PINGREE RD

Box:City:LAKE IN THE HILLS (FORMERLY ALGONQUIN)

State:IL

ZIP:60102-9670

Country:US

Phone:708-658-8561

CAGE:53203

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Composition/Information on Ingredients
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Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Other REC Limits:STEL: 30,000 PPM

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:ETHYL ETHER (SARA III)

CAS:60-29-7

RTECS #:KI5775000

OS

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

Ingred Name:N-HEPTANE
CAS:142-82-5
RTECS #:MI7700000
OSHA PEL:500 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:MINERAL OIL, SEVERELY HYDROTREATED, PREDOMINATELY
NAPHTHENIC
CAS:64742-53-6
RTECS #:PY8036000
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Route
s of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SEE SIGNS & SYMPTOMS OF OVEREXPOSURE
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:INHAL: DIZZINESS, STRONG ANESTHESIA,
INTOXICATION, UNCONSCIOUSNESS. SKIN: IRRITATION UPON PROLONGED
CONTACT, DEFATTING OF SKIN. EYE: IRRITATION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL: REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION. GET MD
IMMED. SKIN: FLUSH AREA WELL WITH WATER. REMOVE & WASH ANY CLOTHING
SOAKED WITH PRODUCT. EYE: FLUSH WELL WITH RUNNING WATER FOR 15
MINUTES. I NGEST: CALL MD OR POISON CONTROL IMMED.PROPER TREATMENT
IS DEPENDENT ON CONDITION OF PATIENT & AMOUNT INGESTED.

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

Flash Point Method:TCC
Flash Point:-56 F, (ING 2)
Lower Li

imits:1.8 (ETHER)

Upper Limits:48.0 (ETHER)

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

Fire Fighting Procedures:AVOID POSSIBLE ACCUM OF FLAM VAPORS AT LOW LVLS, AS VAPOR IS HVR/AIR. NIOSH/MSHA APPROVED SCBA & PROT CLOTHING SHOULD BE WORN WHEN FIGHTING CHEM FIRES

Unusual Fire/Explosion Hazard:AVOID HAZARDOUS CONTAINER PRESSURES. DO NOT STORE WHERE TEMPERATURE MAY EXCEED 120 F. DO NOT PUNCTURE OR INCINERATE CONTAINER.

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== Accidental Release Measures =====

Spill Release Procedures:KEEP AWAY FROM HEAT, FIRE, SPARKS, OR FLAME. IF CONTENTS ARE RELEASED OR SPILLED, VENTILATE AREA WELL. CO*2 MAY BE USED AS A PRECAUTIONARY VAPOR BLANKET. SMALL AMOUNTS MAY BE FLUSHED AWAY WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT STORE WHERE TEMPERATURE MAY EXCEED 120 F. DO

NOT STORE NEAR HEAT, FIRE, FLAME, OR SPARKS.

Other Precautions:READ ALL CAUTIONARY INFORMATION ON CYLINDERS. USE 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 AW AY FROM CHILDREN.

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

Respiratory Protection:IF TLV IS EXCEEDED WEAR NIOSH/MSHA APPROVED SCBA OR RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilati

on:MUST BE ADEQUATE TO MAINTAIN VAPORS AT LESS THAN 400 PPM, PARTICULARLY AT FLOOR LEVEL (SEE SUPP DATA)

Protective Gloves:NITRILE OR OTHER IMPERVIOUS TYPE

Eye Protection:CHEMICAL WORKERS GOGGLES

Other Protective Equipment:AS REQUIRED TO AVOID CONTACT W/SKIN, EYES OR CLOTHING. VAPORS MAY IRRITATE EYES.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

VENTILATION (CON'T): AS VAPORS ARE HEAVIER THAN AIR. AVOID EXCESSIVE BREATHING OF VAPORS.

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

Boiling Pt:B.P. Text:94F (ING 2)

Vapor Pres:150 PSIG

Vapor Density:APPROX 2.5

Spec Gravity:0.70

Evaporation Rate & Reference: 7.0 (BUTYL ACETATE = 1)

Solubility in Water:APPROX 7% @ 70 F

Appearance and Odor:PALE YELLOW TO CLEAR LIQ, STRONG ETHEREAL ODOR,
EVAPS QUICKLY, LEAVES LUB RESID

Percent Volatiles by Volume:99

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

Stability Indicator/Materials to Avoid:

YES

CONTENTS OF CYLS SHOULD NOT BE EXPOSED TO AIR & LIGHT. UNSTABLE

PEROXIDES MAY BE FORMED & CONCENTRATE BY EVAP TO HAZ LVL

Stability Condition to Avoid:HEAT, SPARKS, FLAMES, STRONG OXIDIZERS

Hazardous Decomposition Products:CARBON MONOXIDE MAY FORM ON COMBUSTION

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

Waste Disposal Methods:DISPOSE OF CONTENTS PROMPTLY IN SEALED METAL

CONTAINERS, IN ACCORDANCE WITH ALL LOCAL, STATE & FEDERAL
REGULATIONS. AVOID ANY CONT

AMINATION OF GROUND WATER. DO NOT

PUNCTURE OR INCINERATE CONTAINER.

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