

MSDS Safety Information

FSC: 2910
NIIN: 00-646-9727
MSDS Date: 06/26/1996
MSDS Num: CJJJH
Product ID: STARTING FLUID CYLINDER
MFN: 03
Responsible Party
Cage: 78280
Name: QUICK START PRODUCTS LTD
Address: HIGHWAY 251 SOUTH
City: ROCHELLE IL 61068
Info Phone Number: 815-562-5414
Emergency Phone Number: 815-562-5414

Item Description Information

Item Manager: S9C
Item Name: CYLINDER,ENGINE STARTING
Specification Number: O-F-1044B
Type/Grade/Class: TYPE III
Unit of Issue: DZ
UI Container Qty: 1
Type of Container: UNKNOWN

Ingredients

Name: *** PROPRIETARY ***

Health Hazards Data

LD50 LC50 Mixture: LD50 (ORAL, RAT) N/K
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: TARGET ORGANS: EYES, SKIN, CENTRAL NERVOUS SYSTEM, RESPIRATORY TRACT (). EYE CONTACT: IRRITATION. SKIN CONTACT: IRRITATION UPON PROLONGED CONTACT, DEFATTING OF SKIN. INHALATION: D

IZZINESS, STRONG

ANESTHESIA, INTOXICATION, UNCONSCIOUSNESS

Explanation Of Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Signs And Symptoms Of Overexposure: DIZZINESS, STRONG ANESTHESIA, INTOXICATION, UNCONSCIOUSNESS, IRRITATION, DEFATTING.

First Aid: INHALATION: REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION, CONSULT PHYSICIAN. SKIN: WASH WITH SOAP AND WATER. REMOVE SOAKED CLOTHING TO AVOID PROLONGED SKIN CONTACT. EYES: FLUSH

WITH EYES WELL WITH RUNNING WATER FOR 15 MIN.

INGESTION: CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. PROPER TREATMENT IS DEPENDENT ON CONDITION OF 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 FLAME.

VENTILATE AREA WELL. CARBON DIOXIDE MAY BE USED AS A PRECAUTIONARY VAPOR BLANKET. SMALL AMOUNTS MAY BE FLUSHED AWAY WITH WATER.

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

Handling And Storage Precautions: DO NOT STORE WHERE TEMPERATURE MAY EXCEED 120F. STORE AWAY FROM FIRE, SPARKS, OR FLAME. STORE IN SUITABLE AREA FOR HAZARDOUS MATERIALS STORAGE.

Other Precautions: DO NOT USE NEAR HEAT, FIRE, FLAME OR SPARKS. AVOID EXCESSIVE BREATHING OF VAPOR. DO NOT SPRAY IN DIRECTION OF BODY. USE ONLY IN ACCORDANCE WITH DIRECTIONS.

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Fire and Explosion Hazard Information

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Flash Point Method: TCC

Flash Point: <-48.9C, -56.F

Lower Limits: 1.8

Upper Limits: 48

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

Fire Fighting Procedures: AVOID POSSIBLE ACCUMULATIONS OF VAPORS AT FLOOR LEVEL, AS VAPOR IS HEAVIER THAN

HAN AIR. SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.
Unusual Fire/Explosion Hazard: AVOID POSSIBLE BURSTING OF PRESSURIZED CAN. DO
NOT STORE WHERE TEMPERATURE MAY EXCEED 120F. DO NOT PUNCTURE OR INCINERATE.
EXTREMELY FLAMMABLE AT ALL TIMES. AVOID INADVERTENT IGNITION SOURCES, INCLUDI
NG STATIC SPARKS. IF PRODUCT VAPOR IS ALLOWED TO ACCUMULATE IN AIR, A
DANGEROUS FIRE AND EXPLOSION HAZARD EXISTS.

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Control Measures

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Respiratory Protection: IF TLV IS EXCEEDED WEAR NIOSH-APPROVED SELF-CONTAINED
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.

Protective Gloves: NONE NEEDED FOR NORMAL USE. NITRILE OR OTHER IMPERVIOUS TYPE
IF NEEDED.

Eye Protection: SAFETY GLASSES OR GOGGLES RECOMMENDED.

Other Protective Equipment: EYE BATH, WASHING FACILITY, EMERGENCY SHOWER, LAB
COAT OR UNIFORM.

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR
SMOKING.

Supplemental Safety and Health: NONE

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Physical/Chemical Properties

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HCC: V3

Boiling Point: =34.4C, 94.F

B.P. Text: DIETHYL ETHER

Vap

or Pres: APPROX 7770 AT 70F

Vapor Density: 2.5 APPROX

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 ETHEREAL ODOR,
EVAPORATES QUICKLY

Percent Volatiles by Volume: 86.0

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Reactivity Data

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Stability Indicator: YES

Stability Condition To Avoid: HEAT, SPARKS, FLA

MES. UNSTABLE EXPLOSIVE
PEROXIDES MAY BE FORMED AND CONCENTRATED BY EVAPORATION TO HAZARDOUS LEVELS.
GENERALLY STABLE IN SEALED METAL CONTAINERS.
Materials To Avoid: STRONG OXIDIZERS.
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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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 78280
Trans ID NO: 146625
Product ID: STARTING FLUID CYLINDER
MSDS Prepared Date: 06/26/1996
Review Date: 07/26/1999
MFN: 3
Tech Entry NOS Shipping Nm: ETHER, CARBON DIOXIDE
Net Unit Weight: 0.91 LB
Multiple KIT Number: 0
Unit Of Issue: DZ
Container QTY: 1
Type Of Container: UNKNOWN
Additional Data:

DOT PROPER SHIPPING NAME, UN ID NUMBER, HAZARD CLASSIFICATION
PER MSDS. LABEL REQUIRED: FLAMMABLE GA S

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Detail DOT Information

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DOT PSN Code: DQH
Symbols: G
DOT Proper Shipping Name: COMPRESSED GASES, FLAMMABLE, N.O.S.
Hazard Class: 2.1
UN ID Num: UN1954
Label: FLAMMABLE GAS
Special Provision: B13
Non Bulk Pack: 302,305
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: EQB
IMO Proper Shipping Name: COMPRESSED GAS, FLAMMABLE, N.O.S. o
IMDG Page Number: 2124
UN Number: 1954
UN Hazard Class: 2(2.1)
IMO Packaging Group: -
Subsidiary Risk Label: -
EMS Number: 2-02
MED First Aid Guide NUM: 620

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Detail IATA Information

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IATA PSN Code: HDE
IATA UN ID Num: 1954
IATA Proper Shipping Name: COMPRESSED 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: 150KG
Packaging Note Cargo: 200
Exceptions: A1

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Detail AFI Information

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AFI PSN Code: HDE
AFI Symbols: *
AFI Proper Ship

ping Name: COMPRESSED GAS, FLAMMABLE, N.O.S.

AFI Hazard Class: 2.1

AFI UN ID NUM: UN1954

Special Provisions: P4

Back Pack Reference: A6.3, A6.5

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HAZCOM Label

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Product ID: STARTING FLUID CYLINDER

Cage: 78280

Company Name: QUICK START PRODUCTS LTD

Street: HIGHWAY 251 SOUTH

City: ROCHELLE IL

Zipcode: 61068

Health Emergency Phone: 815-562-5414

Label Required IND: Y

Date Of Label Review: 05/

01/2000

Status Code: C

Year Procured: 1999

Origination

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: EYES, SKIN, CENTRAL NERVOUS SYSTEM,
RESPIRATORY TRACT (). EYE CONTACT: IRRITATION. SKIN CONTACT: IRRITATION UPON
PROLONGED CONTACT, DEFATTING OF SKIN. INHALATION: DIZZINESS, STRON G
ANESTHESIA, INTOXICATIO

N, UNCONSCIOUSNESS. MFD: 01/99; EXP: 01/02. DOT-39 NRC
148/265 M5229

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