

TURNER/THE COOPER GROUP -- QUICK START DIESEL STARTING FLUID, LP-535 --
2910-00-646-9727

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

Product ID:QUICK START DIESEL STARTING FLUID, LP-535

MSDS Date:06/01/1987

FSC:2910

NIIN:00-646-9727

MSDS Number: BGSTP

=== Responsible Party ===

Company Name:TURNER/THE COOPER GROUP

Address:821 PARK AVENUE

City:SKCAMORE

State:IL

ZIP:60178-2419

Emergency Phone Num:815-895-4545

CAGE:LO734

=== Contractor Identification ===

Company Name:QUICK

START PRODUCTS LTD

Address:HIGHWAY 251 SOUTH

Box:City:ROCHELLE

State:IL

ZIP:61068

Country:US

Phone:815-562-5414

CAGE:78280

Company Name:TURNER CO DIV OF CLEANWELD PRODUCTS CO

Address:821 PARK AVE

Box:6200

City:SYCAMORE

State:IL

ZIP:60178-2419

Country:US

Phone:815-895-4545

CAGE:61112

Company Name:TURNER/THE COOPER GROUP

Address:821 PARK AVENUE

Box:City:SKCAMORE

State:IL

ZIP:60178-2419

CAGE:LO734

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

Ingred Name:ETHYL ETHER (SARA

III)
CAS:60-29-7
RTECS #:KI5775000
Fraction by Wt: 93%.
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400PPM/500STEL; 9192
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:ETHYLENE (SARA III)
CAS:74-85-1
RTECS #:KU5340000
Fraction by Wt: 6.5%
ACGIH TLV:ASPHYXIAN; 9192

Ingred Name:POLYALKYLENE GLYCOL
Fraction by Wt: 0.5%

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYE & RESPIRATORY IRRITANT
ANESTHETIC & ASPHYXIAN; CAN CAUSE FISSURED DERMATITIS; CHRONIC
EFFECTS: ANOREXIA,EXHAUSTION,HEADACHE, DROWINESS, DIZZINESS,
EXCITATION & PSYCHIC DISTURBANCES.ALBUMIN URIA HAS BEEN REPORTED
CHRONIC EXPOSUREMAY CAUSE AN INCREASED SUSCEPTIBILITY TO ALCOHOL.
Effects of Overexposure:EYES: IRRITATION & CONJUNCTIVITIS POSSIBLE;
SKIN: MILD IRRITATION DRYING, CRAKING(FISSURED DERMATITIS); INHAL:
UPPER RESPIRATORY
IRRITANT, HEADACHE, DIZZINESS, NAUSEA, VOMITING,
IRREGULAR RESPIRATION, DEPRESSION, EXCITATION & PALLOR &
UNCONSCIOUSNESS; INGEST: SIMILAIR TO INHALATION
Medical Cond Aggravated by Exposure:ANY LAIENT ALLERGY, SENSITIVITY OR
RESPIRATORY DYSFUNCTION.

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

First Aid:EYES: IRRIGATE EYES W/WATER FOR 15 MIN.; SKIN: WASH AFFECTED
AREAS W/SOAP & WATER; INHAL:REMOVE TO FRESH AIR. GIVE O**2/CPR AS
SITUATION DICTATES

. INGEST: GET MEDICAL ATTN. IMMEDIATELY AS PROMPT
TREAT MENT REQUIRED TO MINIMIZE "CNS" EFFECTS

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

Flash Point:N/R FOR CYLINDER

Autoignition Temp:Autoignition Temp Text:356F

Lower Limits:1.85

Upper Limits:40.0

Extinguishing Media:CARBON DIOXIDE, FOAM

Fire Fighting Procedures:COOL EXPOSED CYLINDER W/ WATER SPRAY. UNIT
WILL RELIEVE PRESSURE & 200F/93C +/- 5F RELEASING FLAMMABLE ETHER
VAPORS & ETHYLENE GAS!

Unusual Fir

e/Explosion Hazard:CONTENTS UNDER PRESSURE.RELEASED
VAPOR/GAS IS HIGHLY FLAMMABLE & EASILY IGNITED.

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

Spill Release Procedures:REMOVE ALL IGNITION SOURCES. VENTILATE AREA TO
REMOVE FUMES. WEAR SELF-CONTD. BREAHNG APPARATUS IF EXPOSURE MAY
LEAP TO EXCEEDING "TLV". ALLOW SPILLAGE TO EVAPORATE. FLUSH LARGE
SPILLS W/WATER TO REMOV E RESIDUAL FILM(0.5% OF CYLINDER CONTGNT)

===== Handling and Storage
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Handling and Storage Precautions:DP NOT STORE AT TEMPERATURES EXCEEDING
175F/79.4C. DISCONNECT GLOW PLUG DURING STORAGE.

Other Precautions:PROTECTIVE CLOTHING SHOULD BE MADE EITHER FROM A
SPECIAL RUBBER COMPOUND RESISTANT TO SWELLING BY ETHER

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

Respiratory Protection:UPPER LIMIT DEVICE: TO 1000 PPM-ANY CHEMICAL
CARTRIDGE RESPIRATOR W/ORGANIC VAPOR CARTRIDGE(S) OR ANY
SUPPLIED-AIR RESPIRAT
OR OR SELF-CONTD. BRTHNG APPARATUS.

Ventilation:LOCAL EXHAUST OF EXPLOSION PROOF DESIGNED.

Protective Gloves:NONE REQUIRED, ALTHOUGH RECOMMENDED.

Eye Protection:SAFETY GLASSES/CHEMICAL GOGGLES.

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

Work Hygienic Practices:FOLLOW THOSE ESTABLISHED BY INDUSTRIAL HYGIENSE
& SAFETY FOR USE OF HIS MATERIAL AS WELL AS TECHNICAL MANUAL
Supplemental Safety and Health

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

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HCC:G2
Boiling Pt:B.P. Text:94F/34.4C
Melt/Freeze Pt:M.P/F.P Text:-176.8F
Vapor Pres:8.8PSIA70F
Vapor Density:2.6
Spec Gravity:0.695 @ 77F
Solubility in Water:MODERATE
Appearance and Odor:ETHER ODOR, BUT COLORLESS
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS.
Stability Condition to Avoid:EXCESS HEAT(175F/79.4C & ABOVE) AS WELL AS
IGNITION SOURCES.
Hazardous Deco
mposition Products:CARBON MONOXIDES CARBON DIOXIDE, WATER
VAPOR, VARIOUS ALDHYDES, ETC.

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

Waste Disposal Methods:DISPOSE OF CYLINDER CONTENT S VIA SLOW RELEASE
TO ATOMOSPHERE. DONOT INCINERATE CYLINDERS! FOLLOW ALL APPLICABLE
FEDERAL, STATE , LOCAL-REGULATIONS

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