

SANDSTROM PRODUCTS COMPANY -- LC-300 SOLID FILM LUBRICANT MIL-L-46010B TY --  
9150-00-985-7255

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

Product ID:LC-300 SOLID FILM LUBRICANT MIL-L-46010B TY

MSDS Date:07/31/1992

FSC:9150

NIIN:00-985-7255

MSDS Number: BLZGP

=== Responsible Party ===

Company Name:SANDSTROM PRODUCTS COMPANY

Address:224 SOUTH MAIN STREET

Box:547

City:PORT BYRON

State:IL

ZIP:61275-9501

Count

ry:US

Info Phone Num:309-523-2121

Emergency Phone Num:309-523-2121

Chemtrec Ind/Phone:(800)424-9300

CAGE:34227

=== Contractor Identification ===

Company Name:SANDSTROM PRODUCTS COMPANY

Address:224 SOUTH MAIN STREET

Box:City:PORT BYRON

State:IL

ZIP:61275

Country:US

Phone:309-523-2121

CAGE:34227

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

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER/1-METHOXY-2-PROPANOL

CAS:107-98-2

RTECS #:UB7700000

Other REC Limits:NONE SPECIFIED

OSHA

PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 10 - 15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:1,3 DIOXOLANE/1,3-DIOXACYCLOPENTANE  
CAS:646-06-0  
RTECS #:JH6760000  
Other REC Limits:NONE SPECIFIED

Ingred Name:DGBA EPOXY RESINS/BISPHENOL A DIGLYCIDYL ETHER  
CAS:25068-38-6  
RTECS #:SL6  
475000  
Other REC Limits:NONE SPECIFIED

Ingred Name:MOLYBDENUM DISULFIDE  
CAS:1317-33-5  
RTECS #:QA4697000  
Other REC Limits:NONE SPECIFIED

Ingred Name:ANTIMONY TRIOXIDE (SARA III)  
CAS:1309-64-4  
RTECS #:CC5650000  
Fraction by Wt: 1 - 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.5 MG/M3 (SB)  
ACGIH TLV:0.5 MG SB/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ZINC PHOSPHATE (CAS # 7779-90-0)  
Fraction by Wt: 1 - 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NO

T ESTABLISHED.

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 20 - 25%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ingred Name:CYCLOHEXANONE (SARA III)

CAS:108-94-1

RTECS #:GW1050000

Other REC Limits:NONE SPECIFIED

OSHA PEL:S, 50 PPM

ACGIH TLV:S,

25 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYES:MAY CAUSE

IRRITATION,CORNEAL INJURY.SKIN:PROLONGED CONTACT MAY CAUSE

DERMATITIS.INHALED:MAY CAUSE NOSE & THROAT IRRITATION,CNS

DEPRESSION,BRAIN & NERVOUS SYSTEM DAMAGE.MAY BE HARMFUL OR FAT

AL.ORAL:MAY CA

USE GI IRRITATION,CNS DEPRESSION.ASPIRATION MAY CAUSE

LUNG DAMAGE.CHRONIC-LUNG,KIDNEY,LIVER DAMAGE.

Explanation of Carcinogenicity:NONE OF THE COMPONENTS OF THIS PRODUCT

AARE RECOGNIZED AS CARCINOGENIC.

Effects of Overexposure:EYE, SKIN, RESPIRATORY AND GASTRO-INTESTINAL

IRRITATION. SIGNS OF CNS DEPRESSION SUCH AS HEADACHE, DIZZINESS,

NAUSEA. IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. SKIN

SENSITIZATION RESULTS IN ALLERGIC DERMATITIS WHICH MAY

INCLUDERASH, IT

CHING, HIVES AND SWELLING OF EXTREMITIES.

Medical Cond Aggravated by Exposure:PEOPLE WITH PRE-EXISTING SKIN

DISORDERS OR EYE PROBLEMS OR RESPIRATORY DISORDERS OR CNS DISORDERS  
OR LUNG ALLERGIES MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE  
SUBSTANCE.

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

First Aid:GET MEDICAL ATTENTION IN ALL CASES.INHALED: REMOVE TO FRESH  
AIR.PROVIDE CPR/OXYGEN IF NEEDED.EYES:FLUSH WITH WATER FOR 15  
MINUTES HOLDING EYELIDS OP

EN.SKIN:WIPE OFF EXCESS & WASH WITH SOAP

& WATER.ORA L:DO NOT INDUCE VOMITING.GET IMMEDIATE MEDICAL HELP.IF  
VOMITING OCCURS,KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF  
LIQUID INTO THE LUNGS WHICH CAN CAUSE PERMANENT DAMAGE.

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

Flash Point Method:SCC

Flash Point:54.0F,12.2C

Extinguishing Media:WATER FOG, CO2, FOAM OR DRY CHEMICAL. WATER SPRAY  
MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS  
AW

AY.

Fire Fighting Procedures:CLEAR AREA OF UNPROTECTED PERSONNEL. DO NOT  
ENTER CONFINED SPACE WITHOUT FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED POSITIVE PRESSURE SCBA WITH FULL FACEPIECE.

Unusual Fire/Explosion Hazard:COOL FIRE EXPOSED CONTAINERS WITH WATER  
STREAM. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:FIRE HAZARD:ELIMINATE ALL SOURCES OF IGNITION.  
EVACUATE AREA. VENTI

LATE AREA. STOP RELEASE. DIKE TO CONTAIN SPILL.

WEAR PROPER SAFETY EQUIPMENT. IF AMOUNT IS LARGE, REMOVE LIQUID BY  
VACUUM. IF SMALL, ABSORB ON INERT MATERIAL. AVOID ENTERINGTO  
SEWERS

Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL,DRY,WELL  
VENTILATED AREA AWAY FROM OXIDIZERS,HEAT & FLAMES. VAPORS ARE  
HEAVIER THAN AIR & MAY TRAVEL TO IGNIT

ION & FLASH BACK.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES AND SKIN. USE WITH ADEQUATE VENTILATION. SINCE EMPTY CONTAINER RETAINS PRODUCT RESIDUE, DO NOT CUT, DRILL, GRIND OR WELD NEAR CO NTAINERS.

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

Respiratory Protection:AVOID PROLONGED OR REPEATED BREATHING OF VAPORS/DUST. IF EXPOSURE EXCEEDS TLV USE A NIOSH-APPROVED RESPIRATOR TO PREVENTOVEREXPOSURE.

Ventil

ation:USE VENTILATION AS REQUIRED TO CONTROL VAPOR/DUST CONCENTRATIONS.

Protective Gloves:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Eye Protection:GOGGLES IS EYE CONTANT IS LIKELY

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER SHOULD BE AVAILABLE IN CASE OF EMERGENCY.

Work Hygienic Practices:HMIS:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

MSDS V766-G75

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===== Phys  
ical/Chemical Properties =====

HCC:F2

Vapor Density:>1

Evaporation Rate & Reference:< 1 (ETHER = 1)

Appearance and Odor:LIQUID

Percent Volatiles by Volume:92

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, ALDEHYDES, STRONG ALKALIES

Stability Condition to Avoid:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

HMIS:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Haz

ardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE AND

UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

Conditions to Avoid Polymerization:MAY OCCUR

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

Waste Disposal Methods:REFER TO LATEST EPA OR STATE REGULATIONS REGARDING PROPER DISPOSAL.

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