

SANDSTROM PRODUCTS COMPANY -- DRY FILM LUBRICANT,27 A (MIL-L-46147 A TYPE I) --
9150-01-360-1908

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

Product ID:DRY FILM LUBRICANT,27 A (MIL-L-46147 A TYPE I)

MSDS Date:04/30/1998

FSC:9150

NIIN:01-360-1908

MSDS Number: BSTZX

=== Responsible Party ===

Company Name:SANDSTROM PRODUCTS COMPANY

Address:224 SOUTH MAIN STREET

City:PORT BYRON

State:IL

ZIP:61275

Country:US

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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:PROPYLENEGLYCOL MONOMETHYL ETHER ACETATE

CAS:108-65-6

RTECS #:AI8295000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT ESTABLISHED

D.
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:CYCLOHEXANONE (SARA III)
CAS:108-94-1
RTECS #:GW1050000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 25 PPM
ACGIH TLV:S, 25 PPM; 9394
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM/300STEL;9394
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BASIC LEAD PHOSPHITE/DIBASIC LEAD PHOSPHITE
CAS:
12141-20-7
Other REC Limits:NONE RECOMMENDED

Ingred Name:ANTIMONY TRIOXIDE (SARA III)
CAS:1309-64-4
RTECS #:CC5650000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG (SB)/M3
ACGIH TLV:0.5 MG (SB)/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Ingred Name:BISPHENOL A EPOXY RESIN
CAS:25036-25-3
Other REC Limits:NONE RECOMMENDED

==== Hazards Identification =====

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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE- EYE CONTACT MAY CAUSE IRRITATION & CORNEAL INJURY. ABSORPTION THROUGH SKIN CAN OCCUR. MAY DRY SKIN. INHALATION MAY CAUSE IRRITATION & CNS DEPRESSION. INGESTION MAY CAUSE CNS DEPRESSION, LIVER & KIDNEY DAMAGE. CHRONIC- SKIN DEFATTING& DERMATITIS. TARGET ORGANS:CNS, EYES, SKIN, LUNGS, LIVER, KIDNEYS, GI TRACT.

Explanation

of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:EYES, SKIN, RESPIRATORY AND GASTRO-INTESTINAL TRACTS IRRITATION, HEADACHE, DIZZINESS, NAUSEA, VOMITING, BRAIN, LIVER & KIDNEY DAMAGE

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED CNS OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION I

F SYMPTOMS PERSIST. SKIN:WASH WITH

SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS

OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.

ORAL:IF CONSCIOUS, DRINK TWO GLASSES OF WATER & INDUCE VOMITING.

IF VOMITING, KEEP VICTIM'S HEAD BELOW HIS HIPS. GET IMMEDIATE

MEDICAL ATTENTION.

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

Flash Point Method:SCC

Flash Point:=-6.7C, 44.F

44 +/-2 F

Extinguishing Media:USE WATER FOG, FO

AM, DRY CHEMICAL OR CARBON

DIOXIDE.

Fire Fighting Procedures:WARNING. FLAMMABLE. CLEAR FIRE AREA OF

UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT

HELMET, FACE SHIELD, BUNKER COAT, GLOVES, RUBBER BOOTS, AND A

POSITIVE PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING

APPARATUS.

Unusual Fire/Explosion Hazard:CONTAINERS EXPOSED TO INTENSE HEAT FROM

FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP

WHICH COULD RESULT IN CONTAINER RUPTURE

E. CONTAINER AREAS EXPOSED TO
DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF
WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. REMOVE SOURCES OF
IGNITION. VENTILATE AREA. ABSORB LIQUID WITH NON-FLAMMABLE
ABSORBENT MATERIALS SUCH AS CLAY, SAND AND PLACE IN CONTAINER FOR
DISPOSAL. PREVENT SPILLS FROM ENTERING SEWERS OR WATERWAYS.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE CONTAINERS IN COOL, WELL
VENTILATED AREAS AWAY FROM SOURCES OF IGNITION SUCH AS SPARKS,
FLAMES, WELDING ARCS & INCOMPATIBLE MATERIALS.
Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE
DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL OR
EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND
CAUSE IN
JURY. AVOID REPEATED OR PROLONGED SKIN CONTACT.

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

Respiratory Protection:AVOID PROLONGED OR REPEATED BREATHING OF
VAPORS/DUST. IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE,
WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR.
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:PLASTIC, RUBBER
Eye Protection:CHEMICAL SAFETY GOGGLES(PR
EVENT CONTACT)
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE
AVAILABLE FOR USE IN AN EMERGENCY.
Work Hygienic Practices:DO NOT GET ON SKIN OR ON CLOTHING.
Supplemental Safety and Health
FLAMMABLE. DO NOT USE IN CONFINED AREA OR AREA WITH LITTLE AIR
MOVEMENT. EMPLOY MEANS TO PREVENT VAPOR BUILDUP. KEEP OUT OF REACH
OF CHILDREN.

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

HCC:F3
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:NOT

KNOWN

Vapor Density:>1(AIR=1)

pH:5.00

VOC Grams/Liter:5.84

Evaporation Rate & Reference:0.00(N-BUTYL ACETATE=1)

Percent Volatiles by Volume:83.43

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

Stability Indicator/Materials to Avoid:YES

BASED ON THE PRESENCE OF COMPONENTS 1 AND 2 AND 3 AND 5 AVOID OXIDIZING MATERIALS. BASED ON THE PRESENCE OF COMPONENT 5 AVOID STRONG ACIDS.

Hazardous Decomposition Products:LEAD OXIDE FUMES, CARBON MONOXIDE, CARBON DIOXIDE AND UN

IDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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