

SANDSTROM PRODUCTS COMPANY -- E199-G75 #099 WATERBORNE SOLID FILM LUBRICANT --
9150-01-416-9506

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

Product ID:E199-G75 #099 WATERBORNE SOLID FILM LUBRICANT

MSDS Date:04/02/1996

FSC:9150

NIIN:01-416-9506

MSDS Number: BZBTC

=== Responsible Party ===

Company Name:SANDSTROM PRODUCTS COMPANY

Address:224 SOUTH MAIN STREET

Box:547

City:PORT BYRON

State:IL

ZIP:61275-9501

C

Country:US

Info Phone Num:309-523-2121

Emergency Phone Num:309-523-2121/800-424-9300(CHEMTREC)

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:2-PROPOXYETHANOL

CAS:2807-30-9

Fraction by Wt: 5-10%

Other REC Limits:NONE RECOMMENDED

Ingred Name:MOLYBDENUM DISULFIDE

CAS:131

7-33-5
RTECS #:QA4697000
Fraction by Wt: 15-20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG MO/M3
ACGIH TLV:10 MG MO/M3

Ingred Name:ANTIMONY TRIOXIDE (SARA 313) (CERCLA)
CAS:1309-64-4
RTECS #:CC5650000
Fraction by Wt: 10.12%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG (SB)/M3
ACGIH TLV:0.5 MG (SB)/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BISPHENOL A DIGLYCIDYL ETHER OR BISPHENOL A-EPICHLOROHYDRIN
COPOLYMER
CAS:25068-38-6
RTECS #:SL6475000
Fraction by Wt: 5-
10%
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 45-50%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC PHOSPHATE
CAS:7779-90-0
RTECS #:TD0590000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZOGUANAMINE FORMALDEHYDE RESIN
CAS:6837-08-1
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT ESTABLISHED FOR PRODUCT
Routes

of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION, INGESTION AND SKIN
ABSORPTION MAY CAUSE CNS EFFECTS. EXPOSURE MAY CAUSE EYE, SKIN &
RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE GI TRACT
IRRITATION. CHRONIC: PROLONGED/REPEATED EXPOSURE MAY CAUSE
DERMATITIS, SKIN SENSITIZATION, LIVER/KIDNEY/LUNG/SPLEEN/RED BLOOD
CELL DAMAGE.

Explanation of Carcinogenicity:ANTIMONY
COMPOUNDS ARE LISTED BY IARC AS
CLASS 3 (ANIMAL DEFINITE; HUMAN INDEFINITE) SUSPECTED CARCINOGEN.

Effects of Overexposure:CNS EFFECTS (SKIN ABSORPTION, INHALED,
INGESTED)-HEADACHE, DIZZINESS, NAUSEA, SYMPTOMS OF INTOXICATION,
POSSIBLE UNCONSCIOUSNESS/DEATH. EYES-IRRITATION. SKIN-IRRITATION,
RASH, ITCHING, HIVES, SWELLING. INGESTED-GI TRACT IRRITATION.
INHALED-MUCOUS MEMBRANE IRRITATION.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, EYE AND
RESPIRATORY DISORDERS. PRE-EXISTING SKIN OR LUNG ALLERGIES INCREASE
CHANCE OF DEVELOPING ALLERGY SYMPTOMS FROM EXPOSURE TO THIS
PRODUCT.

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

First Aid:IN ALL CASES, SEEK MEDICAL ATTENTION IF SYMPTOMS DEVELOP.
EYES-IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE
CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE
TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS
NEEDED. INGESTED-IF CONSCIOUS
, GIVE 1-2 GLASSES WATER. INDUCE
VOMITING. KEEP HEAD BELOW HIPS WHEN VOMITING. GET IMMEDIATE
EMERGENCY MEDICAL ATTENTION.

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

Flash Point Method:SCC
Flash Point:216F,102C
Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
Fire Fighting Procedures:CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. WEAR
SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:COOL FIRE EXPOSED CO

CONTAINERS WITH WATER
SPRAY TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

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

Spill Release Procedures:EVACUATE ALL NON-ESSENTIAL PERSONNEL.
ELIMINATE ALL SOURCES OF IGNITION. WEAR PROPER PERSONAL PROTECTIVE
GEAR. STOP LEAK IF FEASIBLE. SOAK UP WITH INERT ABSORBENT AND PLACE
IN A CONTAINER FOR DISPOSAL . FLUSH AREA WITH WATER. ABSORB THIS
FLUID.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED
PLACE AWAY FROM OPEN FLAMES AND INCOMPATIBLE MATERIALS.
Other Precautions:CONTAINERS CAN RETAIN HAZARDOUS PRODUCT RESIDUES EVEN
WHEN EMPTY.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH
ORGANIC VAPO
R CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS
REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO
MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER, NITRILE.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental
Safety and Health

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

HCC:T6

Vapor Density:>1

Spec Gravity:1.34-11.12LB/GL

Evaporation Rate & Reference:0 (N-BUTYL ACETATE=1)

Appearance and Odor:GRAY/BLACK LIQUID.

Percent Volatiles by Volume:55.28

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS, STRONG ALKALIS, STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:AVOID CONTACT WITH INCOMPATIBLE M

ATERIALS.

DLA-HMIS-AVOID EXPOSURE TO OPEN FLAMES.

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE,
UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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