

SANDSTROM PRODUCTS COMPANY -- #238 DFL (MIL-L-23398D TYPE I) -- 9150-00-954-7422

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Product Identification
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Product ID:#238 DFL (MIL-L-23398D TYPE I)
MSDS Date:09/08/1998
FSC:9150
NIIN:00-954-7422
Status Code:A
MSDS Number: CJPGD
=== Responsible Party ===
Company Name:SANDSTROM PRODUCTS COMPANY
Address:224 SOUTH MAIN STREET
Box:547
City:PORT BYRON
State:IL
ZIP:61275-9501
Country:US
Info P
hone Num:309-523-2121
Emergency Phone Num: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
Contract Num:SP0450-99-D-0419
CAGE:34227

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Composition/Information on Ingredients
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Ingred Name:PROPYLENE GLYCOL METHYL ETHER ACETATE
CAS:108-65-6

Ingred Name:CYCLOHEXANONE
CAS:108-94-1
RTECS #:GW1050000
OSHA PEL:200 MG/M3;50 PPM
AC

GIH TLV:100 MG/M3;25 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE
CAS:78-93-3
RTECS #:EL6475000
Minumum % Wt:45.
Maxumum % Wt:50.
OSHA PEL:590 MG/M3;200 PPM
ACGIH TLV:590 MG/M3;200 PPM
ACGIH STEL:885 MG/M3;300 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:DIBASIC LEAD PHOSPHITE
CAS:12141-20-7
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:ANTIMONY TRIOXIDE
CAS:1309-64-4
RTECS #:CC5650000
Minumum % Wt:1.
Maxumum % Wt:5.
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5
MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000

Ingred Name:BISPHENOL "A" EPOXY RESIN
CAS:25036-25-3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYES:MODERATELY IRRITATING. MAY CAUSE
CORNEAL INJURY. SKIN:MODERATELY IRRITATING. ABSORPTION MAY RESULT
IN

SYMPTOMS AS THOSE DESCRIBED FOR INHALATION & INGESTION. MAY RESULT IN SKIN DEFATTING & DRYING & MAY CAUSE DERMATITIS. INHALATION:MAY CAUSE IRRITATION TO THE NOSE, THROAT, RESPIRATORY TRACT, AND OTHER MUCOUS MEMBRANES. HIGH CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. CHRONIC OVEREXPOSURE MAY CAUSE PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. INTENTIONAL INHALATION MAY BE HARMFUL OR FATAL. INGESTION:MODERATELY TOXIC. MAY CAUSE POSSIBLE KIDNEY DAMAGE. MAY

CAUSE RED BLOOD CELL HEMOLYSIS (LIVER & KIDNEY DAMAGE).

Explanation of Carcinogenicity:NOT SPECIFIED BY MANUFACTURER. HOWEVER, ANTIMONY TRIOXIDE WAS FOUND TO BE LISTED BY IARC AS BEING POSSIBLY CARCINOGENIC TO HUMANS.

Effects of Overexposure:CENTRAL NERVOUS SYSTEM DEPRESSION MAY BE EVIDENCED BY HEADACHE, DIZZINESS, NAUSEA & SYMPTOMS OF INTOXICATION; IN EXTREME CASES, UNCONSCIOUSNESS & DEATH MAY OCCUR. MAY RESULT IN LOSS OF APPETITE, METALLIC TASTE IN THE MOUTH,

ANXIETY, CONSTIPATION, NAUSEA, PALLOR, EXCESSIVE TIREDNESS, WEAKNESS, INSOMNIA, HEADACHE, NERVOUS IRRITABILITY, MUSCLE & JOINT PAIN, FINE TREMORS, NUMBNESS, DIZZINESS, HYPERACTIVITY & COLIC.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN, EYE & RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. IMPAIRED CENTRAL NERVOUS SYSTEM FUNCTIONS FROM PREEXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

===== First Aid Measures =====
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First Aid:EYES:IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN WHILE HOLDING EYELIDS OPEN. SEEK PROMPT MEDICAL ATT'N. SKIN:REMOVE CONTAMINATED CLOTHING & SHOES. WIPE EXCESS FROM SKIN & FLUSH WITH WATER USING SOAP IF AVAILABLE. SEEK MEDICAL ATT'N IF NEEDED. INHALATION:REMOVE VICTIM TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF THE VICTIM IS NOT BREATHING. SEEK PROMPT MEDICAL ATT'N.

INGESTION:DILUTE WITH 2 GLASSES OF WATER IF VICTIM IS CONSCIOUS. INDUCE VOMITING BY GIVING TWO TABLESPOONS OF IPECAC OR BY TOUCHING A FINGER TO THE BACK OF THE VICTIM'S THROAT. KEEP HEAD BELOW HIPS.

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

Flash Point:=-6.7C, 44.F
44 +/-2 DEG F.

Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures:WARNING. FLAMMABLE. CLEAR FIRE AREA OR UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED

FIRE SPACE W/OUT

HELMET, FACE SHIELD, GLOVES, RUBBER BOOTS, BUNKER COAT & A POSITIVE PRESSURE NIOSH-APPROVED SELF-CO NTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED W/WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOUL D BE COOLED W/LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

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

Spill Release Procedures:LARGE SPILLS: EVACUATE UNPROTECTED PERSONNEL. WEAR APPROPRIATE RESPIRATOR & CLOTHING. SHUT OFF SOURCE OF LEAK IF SAFE. DIKE & CONTAIN. USE WATER FOG TO SUPPRESS VAPOR CLOUD. CONTAIN RUN-OFF. REMOVE WI TH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH A SUITABLE MATERIAL. CONTAINERIZE. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. DISPOSE OF FLUSH SOLUTIONS.

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

Handling and Storage Precautions:KEEP LIQUID & VAPOR AWAY FROM HEAT, SPARKS, & FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES & TURN OFF OTHER POSSIBLE SOURCES OF IGNITION PRIOR TO USE & UNTIL VAPORS ARE GONE. VAPORS MAY ACCUMULATE & TRA VEL TO IGNITION SOURCES DISTANT FROM HANDLING SITE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:CONTAINERS, EVEN IF EMPTY, CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CU T, DRILL, GRIND, OR WELD NEAR CONTAINERS. CONTAINERS CAN CONTAIN HAZAROUS PRODUCT RESIDUES EVEN WHEN EMPTY. WASH WITH SOAP & WATER BEF ORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

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

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

Ventilation:USE VENTILATION AS REQUIRED TO CONTROL VAPOR/DU

ST

CONCENTRATIONS.

Protective Gloves:RUBBER

Eye Protection:FACE SHIELD/GOGGLES

Other Protective Equipment:BOOTS, BUNKER COAT, GLOVES

Work Hygienic Practices:AVOID CONTACT WITH EYES. DO NOT GET ON SKIN OR ON CLOTHING.

Supplemental Safety and Health

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

HCC:F2

Vapor Density:>1 (AIR=1)

Evaporation Rate & Reference:0.0 (N-BUTYL ACETATE=1)

Percent Volatiles by Volume:83.43 +/-2

===== Stability and Reactivity

Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS AND STRONG ACIDS.

Stability Condition to Avoid:SPARKS, FLAMES, OR OTHER IGNITION SOURCES (HMIS).

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

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

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

===== MSDS Transport Information =====

Transport Information:PAINT, UN1263.

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