

SANDSTROM PRODUCTS COMPANY -- 27A AEROSOL, MIL-L-46147 -- 9150-01-360-1905

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

Product ID:27A AEROSOL, MIL-L-46147

MSDS Date:05/03/2000

FSC:9150

NIIN:01-360-1905

MSDS Number: BSTZT

=== 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 Phone Num:309-523-2121

Emer

gency Phone Num:309-523-2121

Resp. Party Other MSDS Num.:E636-G75

Preparer's Name:NOT PROVIDED

Chemtec 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

Contract Num:SP0450-00-M-C061

CAGE:34227

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:SP0450-00-M-C740
CAGE:34227
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:SP0450-01-M-LF92
CAGE:34227

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

Ingred Name:PROPYLENE GLYCOLMETHYL ETHER ACETATE
CAS:108-65-6
RTECS #:AI8295000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:CYCLOHEXANONE (CERCLA)
CAS:108-94-1
RTECS #:GW1050000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 25 PPM; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)
CAS:78-93-3
RTECS #:EL6475000
Minumum % Wt:30.
Maxumum % Wt:35.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM/300STEL;9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ANTIMONY TRIOXIDE (SARA 313) (CERCLA)
CAS:1309-64-4
RTECS #:CC5650000
Minumum % Wt:1.
Ma

ximum % Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG (SB)/M3
ACGIH TLV:0.5 MG (SB)/M3; 9495
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
OSHA PEL:10 MG MO/M3
ACGIH TLV:10 MG MO/M3

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

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

Ingred Name:DIMETHYL ETHER
CAS:11
5-10-6
RTECS #:PM4780000
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT PROVIDED
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYE: BASED ON PRESENCE OF COMPONENTS
1, 7 AND 8, PRODUCT IS PRESUMED TO BE MODERATELY IRRITATING TO
EYES. MAY CAUSE CORNEAL INJURY. SKIN: BASED ON PRESENCE OF
COMPONENT 3, 7 AND 8, PRODUCT IS PRESUMED TO BE MODERATELY
IRRITATING. ABSO
RPTIONTHROUGH SKIN MAY RESULT IN SYMPTOMS SIMILAR
TO INHALATION/INGESTION. BASED ON COMPONENTS 3 AND 7,
PROLONGED/REPEATED CONTACT MAY CAUSE DEFATTING, DRYING AND DER
MATITIS. INHALATION: VAPORS MAY CAUSE IRRITATION, CNS
DEPRESSION/DAMAGE, BRAIN DAMAGE. INGESTION: PRODUCT IS PRESUMED TO
BE MODERATELY TOXIC. MAY CAUSE CNS DEPRESSION. CHRONIC - MAY CAUSE
INJURY TO LI VER AND KIDNEY. MAY CAUSE LUNG DAMAGE.
Explanation of Carcinogenicity:COMPONENT (ANTIMONY TRIOXIDE) IS LISTE

D

BY NTP AND OSHA AS A CARCINOGEN OR A POSSIBLE CARCINOGEN. REFER TO APPROPRIATE REFERENCE SOURCES FOR ADDITIONAL INFORMATION CONCERNING CARCINOGENS. HMIS: IT IS LISTED BY IARC AS 2B.

Effects of Overexposure:EYE, SKIN, RESPIRATORY, AND GASTRO-INTESTINAL IRRITATION. CENTRAL NERVOUS SYSTEM DEPRESSION MAY BE EVIDENCED BY HEADACHE, DIZZINESS, NAUSEA AND SYMPTOMS OF INTOXICATION; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN, EYE AND

RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. IMPAIRED CNS FUNCTION FROM PREEXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEEK PROMPT MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WIPE EXCESS FROM SKIN AND FLUSH WITH WATER USING SOAP IF AVAILAB

LE. SEEK MEDICAL ATTENTION IF IRRITATION

OCCURS. INHALATION: REMOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION. INGESTION: DILUTE WITH 2 GLASSES OF WATER UNLESS VICTIM IS UNCONSCIOUS. INDUCE VOMITING. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION. CONSULT PHYSICIAN, HOSPITAL OR POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point Method:SCC

Flash Point:10 - 14F

Extinguishing Media:USE WATER FOG, FOAM, 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. 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:LARGE SPILL: EVACUATE AREA. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DI

KE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSEL S. SOAK UP RESIDUE OR SMALL SPILL WITH AN ABSORBENT MATERIAL SUCH AS CLAY, SAND/ OTHER SUITABLE MATERIALS; PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS, AND FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER POSSIBLE SOURCES OF IGNITION PRIOR TO USE AND UNTIL VAPORS ARE GONE. SURFACE THAT ARE SUFFICIENTLY HOT MAY IGNITE PRODUCT IN THE ABSENCE OF SPARKS OR FLAME.

Other Precautions:VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM HANDLING SITE. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION. CONTAINER, EVEN IF EMPTY, CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND, OR WEL NEAR CONTAINERS.

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

Respiratory Protection:AVOID PROLONGED BREATHING OF VAPORS/MIST. IF EXPOSURE EXCEEDS TLV USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

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

Protective Gloves:DO NOT GET ON SKIN.

Eye Protection:WEAR GOGGLES IF THERE IS A LIKELIHOOD OF CONTACT WITH EYES.

Other Protective Equipment:EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD

D

BE AVAILABLE FOR USE IN AN EMERGENCY.

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

Supplemental Safety and Health

MIL-L-48147 IS INVALID AS IT IS ON MSDS BUT MIL-L-46147 IS A VALID ONE.

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:V3

NRC/State Lic Nu

m:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT PROVIDED

Vapor Density:>1 (AIR=1)

Spec Gravity:0.9208 - 0.9688

VOC Grams/Liter:5.95

Viscosity:NOT PROVIDED

Evaporation Rate & Reference: