

SANDSTROM PRODUCTS COMPANY -- 26A ANTI-FOUL COATING E790-G75 -- 5820-00-135-0639

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

Product ID:26A ANTI-FOUL COATING E790-G75

MSDS Date:08/16/1990

FSC:5820

NIIN:00-135-0639

Kit Part:Y

MSDS Number: BJFMR

=== 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

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

CAGE:34227

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

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER

CAS:107-98-2

RTECS #:UB7700000

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

Ingred Name:METHYLENE CHLORIDE (SARA III)

CAS:75

-09-2
RTECS #:PA8050000
OSHA PEL:500 PPM/C,1000; Z2
ACGIH TLV:50 PPM, A2; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL ALCOHOL (ETHANOL)
CAS:64-17-5
RTECS #:KQ6300000
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
OSHA PEL:10 MG/M3
ACGIH TLV:
10 MG/M3

Ingred Name:ANTIMONY TRIOXIDE (SARA III)
CAS:1309-64-4
RTECS #:CC5650000
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:BISPHENOL "A" EPOXY RESIN
CAS:25036-25-3

Ingred Name:1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III)
CAS:123-91-1
RTECS #:JG8225000
OSHA PEL:S, 100 PPM
ACGIH TLV:S, 25 PPM; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:TRIBUTYLTIN OXIDE
CAS:56-35-9
RTECS #:JN8750000
OSHA PEL:.1 MG/M3 (SKIN)
ACGIH

TLV:.1 MG/M3 (SKIN)

Inged Name:HLTH HAZ(CON'T)INHAL:IRRIT TO NOSE,THROAT,RESP TRAC&MUC
MEMB.BASED ON INGRED 1,2,3,&8,EXP TO HIGH CONC OF VAPOR MAY PROD
RTECS #:9999999ZZ

Inged Name:CNS DEPRESS.BASED ON INGRED 2.EXP TO HIGH CONC OF VAP MAY
PROD CARDIAC ARRYTH.INGEST:BASED ON INGRED 4,6,8&9,PROD MOD
RTECS #:9999999ZZ

Inged Name:TOXIC. BASED ON INGRED 8, MAY CAUSE KIDNEY&LIVER DMG.BASED
ON INGRED 2,SM AMTS OF LIQ ASPIRATED IN LUNGS DURING INGEST/
RTECS #:9999999ZZ

Inged Name:VOM
IT MAY RSLT IN SEV LUNG DMG.BASED ON INGRED 1,2,&4,MAY
CAUSE CNS DEPRESS.BASED ON INGRED 1&3,IRRIT TO GI TRACT.
RTECS #:9999999ZZ

Inged Name:UNUSUAL FIRE&EXPL HAZ(CON'T)THERMAL DECOMP PROD MAY INCLUDE
HCL AND PHOSGENE
RTECS #:9999999ZZ

Inged Name:OTHER PRECAUTIONS(CON'T): RADIATION MAY CAUSE THE FORMATION
OF HCL AND/OR PHOSGENE
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Ent

ry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:EYE:BASED ON INGRED 9,SEV IRRIT,EXP
MAY CAUSE EXTENSIVE CORNEAL INJURY.BASED ON INGRED 1,2,&4,PROD VAP
IRRIT.SKIN:BASED ON INGRED 9,PROD CORROSIVE.BASED ON INGRED 1,8,&9
ABSORPTION MAY RESULT IN SYM O F EXP FOR INHAL & INGEST.BASED ON
INGRED 1,2,3,4&9 PRLNGED/RPTD CONT MAY RESULT IN DEFAT,DRYING OR
DERM.INHAL:SEE INGRED

Explanation of Carcinogen

icity:IARC CAR ASSESS: 1.4 DIOXANE - ANIMAL

POSTIVE. NTP CAR ASSESS: METHLENE CHLORIDE - POSTIVE MOUSE, RAT.

Effects of Overexposure:EYE, SKIN, RESP, AND GI IRRITATION AS NOTED IN HEALTH HAZARDS.BASED ON INGRED 1,2,3,4,&8, CENTRAL NERVOUS SYSTEM DEPRESSION MAY BE EVIDENCED BY HEADACHE, DIZZINESS, NAUSEA & SYMPTOMS OF INTOXICATION. IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN, EYE AND RESP DISORDERS MAY BE AGG

RAVATED BY EXP TO THIS PRODUCT. IMPAIRED

CENTRAL NERVOUS SYS FUNCTIONS FROM PREEXISTING DISORDERS MAY BE AGGRAVATED BY EXP TO THIS PRODUCT.

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

First Aid:EYE: IMMED FLUSH W/ LG AMTS WATER 15+ MIN HOLD LIDS OPEN, GET MD ATTN.SKIN: REMOVE CONTAM CLTHG & SHOES, FLUSH W/ SOAP & WATER. DECONTAM CLTHG PRIOR TO REUSE.INHAL: REMOVE TO FRESH AIR. TREAT SYMP. G IVE O*2 IF DFCLT, ARTF RESP IF NOT BREATHING. GET MD. DO

NOT INDUCE VOMIT. IF IT OCCURS SPONT KEEP VICTIMS HEAD BELOW HIPS TO PVNT ASPIR. GET MD, POISON CONTROL CENTER, OR TAKE TO EMER FACILITY.

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

Flash Point Method:PMCC

Flash Point:35.0F,1.7C

Lower Limits:SEE INGRED

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

Fire Fighting Procedures:WARNING, FLAM. CLEAR FIRE AREA OF UNPROT PERS.DO NOT ENTER CONFINED FIRE SPACE W/O HELMET,FSHLD,BUNKER COAT,GLOVES,RUB BOOTS, & POS PRESS SCBA.(SEE SUPP DATA).

Unusual Fire/Explosion Hazard:COOL CONTR W/H*20 TO PVNT VAP PRESS BUILDUP.CONTR AREA EXP TO DIR FLAME SHOULD BE COOLED W/LGE QTY OF H*20 AS NEEDED TO PVNT CONTR WEAKENING.(SEE INGRED # 14).

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

Spill Release Procedures:EVAC AREA. WEAR APPROP RESP & PROT CLTHG. SHUT OFF LEAK SOURCE IF SAFE. DIKE & CONTAIN. IF VAPOR CLOUD, WATER FOG TO SUPPRESS; CONTAIN. RE

MOVE W/ VACUUM TRUCK OR PUMP TO
STORAGE/SALVAGE VESSEL. USE AB SORB ON RESIDUE & DISPOS PROPERLY.
FLUSH W/ WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP LIQUID AND VAPOR AWAY FROM HEAT,
SPARKS AND FLAME.

Other Precautions:KEEP LIQ & VAP FROM HEAT,SPARKS,FLAME.EXTING PILOT
LTS,CIG&OTHER IGNIT SOURCES PRIOR TO USE OR VAP GONE.KEEP CONTR
CLOSED WHEN NOT IN USE.

EMPTY CONTR CAN HOLD EXPLO VAP,DO NOT
CUT,DRILL,OR WELD ON OR NEAR THEM.HEAT AND/OR UV (SEE INGRED#15)

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

Respiratory Protection:AVOID PROLONGED OR REPEATED BREATHING OF
VAPOR/DUST. IF EXPOSURE EXCEEDS TLV, USE A NIOSH/MSHA APPROVED
RESPIRATOR TO PREVENT OVEREXPOSURE.

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

Protective Gloves:USE IMPERVIOUS GLOVES

Eye Protection:CHEMICAL WORKE
RS GOGGLES

Other Protective Equipment:EYE WASH FOUNTIANS AND SAFETY SHOWERS.

Work Hygienic Practices:WASH WITH SOAP AND WATER PRIOR TO EATING,
DRINKING, SMOKING, OR USING THE TOILET FACILITIES.

Supplemental Safety and Health

REPORTS HAVE BEEN ASSOC RPTD AND PRLNG OCCUPATIONAL OVEREXPOSURE TO
SOLVENTS W/ PERM BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL
MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY
BE HARMFUL OR FATAL.FIRE FIGHTING PROC(CON'T):WEAR NIOSH/MSHA

APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIP

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

Vapor Pres:SEE INGRED

Vapor Density:>1

Spec Gravity:1.20+/- .2

Evaporation Rate & Reference: