

DATAK CORP -- PHOTO ETCH PHOTORESIST DEVELOPER, ER-8 -- 6850-00N049333

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

Product ID:PHOTO ETCH PHOTORESIST DEVELOPER, ER-8

MSDS Date:01/16/1991

FSC:6850

NIIN:00N049333

MSDS Number: BVCTQ

=== Responsible Party ===

Company Name:DATAK CORP

Address:55 FREEPORT BLVD #23

City:SPARKS

State:NV

ZIP:89431

Country:US

Info Phone Num:702-359-7474

Emergency Phone Num:702-359-7474

CAGE:1AA30

=== Contractor Identification ===

Company Name:PHILMORE MFG./CARTER-CRAFT/DATAK

Address:3660 PUBLISHERS DR.

Box:6386

City:ROCKFORD

State:IL

ZIP:61125-1386

Country:US

Phone:815-874-2301

CAGE:1AA30

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

Ingred Name:BLEND OF SOLVENTS CONTAINING INGS 2 & 4 PACKAGED IN 1 PINT
METAL CAN WITH SCREW CAP

RTECS #:9999999ZZ

Ingred Name:XYLENE; (XYLENES, MIXED (XYLOL)) (SARA III) BP: >279F,
>137C. SPEC GRAV: 0.860. VP: 18, 16 @ 37.7C. VD: 3.7 (ING 3)

CAS:1330-20-7

RTECS #:ZE2100000

OSHA PEL:100 PPM; 150 STEL

ACGIH TLV:100 PPM; 150 STEL

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ING 2: FL PT: 867F, 464C. LEL: 1.1%. UEL: 7%.

RTECS #:9999999ZZ

Ingred Name:METHANE, DICHLORO-; (DICHLOROMETHANE) (SARA III) BP:
>104F, >39.8C. MP: -143F, -97C. SPEC GRAV: 1.325. (ING 5)

CAS:75-09-2

RTECS #:PA8050000

OSHA PEL:500 PPM, C

ACGIH TLV:50 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ING 4: VP: 340 @ 20C, 420 @ 25C. VD: 2.9. LEL: 12%. UEL:
19% @ 100C. LD50: (ORAL, RAT) 1600 MG/KG
RTECS #:9999999ZZ

Ingred Name:VOLATILE ORGANIC COMPOUNDS: 953 GM/L
RTECS #:9999999VO
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:EFTS OF OVEREXP: METABOLIZED IN BODY PRODUCING CO WHICH
INCREASES & SUSTAINS CARBOXYHEMOGLOBIN LEVELS IN BLOOD, (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7: REDUCING THE OXYGEN-CARRYING CAPACITY OF THE BLOOD.
RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH: AS MATL IS HIGHLY FALMMABLE. OBSERVE ALL
FEDERAL, STATE & LOCAL LAWS.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE ING 2
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CHLOROCARBON MATLS HAVE PRDCED
SENSIT OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE
SIMILAR EFT IN HUMANS. ADRENOMIMETICS (EG, EPINEPHRINE) MAY BE
CONTRA-INDICATED EXCEPT FOR LIFE-SU STAINING USES IN HUMANS
ACUTELY/CHRONICALLY EXPOSED TO CHLOROCARBONS . HARMFUL IF
SWALLOWED, (EFTS OF OVEREXP)
Explanation of Carcinogenicity:METHYLENE CHLORIDE:IARC MONOGRAPHS,
SUPPLEMENT, VOL 7, PG 194, 1987:GRP 2B. NTP 6TH ANNUAL RPT ON
CARCIN, 1991: (SUPDAT)
Effects of Overexposure:HLTH HAZ: INHALED/ABSORBED THRU SKIN. VAP/MIST
IS IRRIT TO EYES, MUC MEMB & UPPER RESP TRACT. CAUSES SKIN IRRIT.
EXPOS CAN CAUSE:NAUS, DIZZ & HDCH, NARCOTIC EFT, LUNG IRRIT, CHEST
PAIN & EDEMA WHICH M AY BE FATAL, CNS DEPRESS, DERM, GI & NERVOUS
SYS DISTURB. CHRONIC: DMG TO LIVER & KIDNEYS, BLOOD EFTS. ING 2 IS
(ING 7)
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INGEST: CALL MD IMMED . SKIN: IMMED WASH W/SOAP & COPIOUS
AMTS WATER FOR @ LEAST 15 MIN WHILE REMOVING CONTAMD CLTHG & SHOES.
WASH CONTAMD CLTHG BEFORE REUSE. EYES: IMMED IRRIGATE EYES
W/COPIOUS AMTS OF WATER FOR @ LEAST 15 MIN. ASSURE ADEQ FLUSHING
BY SEPARATING EYELIDS W/FINGERS. INHAL: REMOVE TO FRESH AIR. IF NOT
BRTHG GIVE ARTF RESP. IF BRTHG DFCLT, GIVE OXYGEN. CALL MD.

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

Flash Point:SEE ING 1
Lower Limits:SEE INGS
Upper Limits:SEE INGS
Extinguishing Media:CARBON DIOXIDE, DRY CHEM POWDER, ALCOHOL/POLYMER

FOAM. WATER MAY BE EFTIVE FOR COOLING BUT MAY NOT EFT
EXTINGUISHMENT.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA
AND FULL PROTECTIVE EQUIPMENT . FLAMMABLE. USE WATER SPRAY TO COOL
FIRE-EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:THERMAL DECOMP PRODS MAY INCL HCL &
PHOSGENE. VAP MAY TRAVEL CONSIDERABLE DIST TO SOURCE OF IGNIT &
FLASH BACK. CNTNR EXPLOS MAY OCCUR UNDER FIRE (SUPDAT)

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

Spill Release Procedures:EVAC AREA. SHUT OFF ALL SOURCES OF IGNIT. WEAR
NIOSH/MSHA APPROVED SCBA, RUB BOOTS & HEAVY RUB GLOVES. COVER
W/ACTIVATED CARBON ABSORB. TAKE UP & PLACE IN CLSD CNTNRS FOR DISP.
TRANSPORT OUTDOORS. VEN T AREA & WASH SITE AFTER MATL PICKUP
ISCOMPLETE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE NONSPK TOOLS. PROD WILL DMG MOST
PAINTS & PLASTICS. KEEP TIGHTLY CLSD. KEEP AWAY FROM HEAT, SPKS &
OPEN FLAME. STORE IN COOL, DRY PLACE.

Other Precautions:NO SMKNG IN AREA OF USE. DO NOT USE IN GEN VICIN OF
ARC WELDING, OPEN FLAMES/HOT SURFS. HEAT &/OR UV RADIA MAY CAUSE
FORM OF HCL &/OR PHOSGENE . DO NOT BREATHE VAP. AVOID CNTCT W/EYES,
SKIN & CL THG. READILY ABSORBED THROUGH SKIN.

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

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation:USE IN WELL-VENTILATED AREA WITH LOCAL EXHAUST. MECHANICAL
EXHAUST REQUIRED.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:SAFETY SHOWER & EYE BATH. WEAR PROTECTIVE
CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

EXPLO HAZ: CNDTNS. FORMS EXPLO MIX IN AIR. EMITS TOX FUMES. FIRE HAZ OF
FRESH SOLN SLIGHT. IF LEFT SEVERAL HRS IN SHALLOW TRAY/IF CNTNR NOT
TIGHTLY CAPPED, FIRE HAZ BECOMES HIGH. EXPLAN OF CARCIN: ANT IC TO
BE CARCIN. ANIMAL:BLADDER CANCER,LIVER, SKIN EFTS.

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

Boiling Pt:B.P. Text:SEE INGS

Melt/Freeze Pt:M.P/F.P Text:SEE INGS

Vapor Pres:SEE INGS

Vapor Density:SEE INGS

Spec Gravity:SEE INGS

Appearance and Odor:BLEND OF SOLVENTS PACKAGED IN 1 PINT METAL CAN WITH
SCREW CAP.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, ALKALI METALS, ALUMINUM, HEAT.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
HYDROGEN CHLORIDE GAS, PHOSGENE GAS.

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

Waste Disposal Methods:MATL SHOULD BE IGNITED IN PRESENCE OF SODIUM
CARBONATE & SLAKED LIME (CALCIUM HYDROXIDE). IT SHOULD BE MIXED
W/VERMICULITE & THEN W/DRY CAUSTICS, WRAPPED IN PAPER & BURNED IN
CHEM INCIN EQUIPPED W/AFT ERBURNER & SCRUBBER BUT EXERT EXTRA CARE
(ING 9)

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