

U.S. ARMY ARMAMENT, MUNITIONS & CHEMICAL COMMAND -- DECONTAMINATING AGENT DS2 --
6850-00-753-4870

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

Product ID:DECONTAMINATING AGENT DS2

MSDS Date:09/28/1984

FSC:6850

NIIN:00-753-4870

MSDS Number: BFNDW

=== Responsible Party ===

Company Name:U.S. ARMY ARMAMENT, MUNITIONS & CHEMICAL COMMAND

Address:ATTN: SMCCR-SFS. HDQ, BLDG E5101

City:ABERDEEN PROVING GROUND

State

:MD

ZIP:21010-5423

Country:US

Info Phone Num:301-278-5201 (AFTER DUTY HOURS)

Emergency Phone Num:301-671-4411 (0800-1630 EST)

CAGE:80706

=== Contractor Identification ===

Company Name:POLY RESEARCH CORPORATION

Address:125 CORPORATE DRIVE

Box:City:HOLTSVILLE

State:NY

ZIP:11742-2007

Country:US

Phone:516-758-0460

CAGE:64713

Company Name:U.S. ARMY ARMAMENT, MUNITIONS & CHEMICAL COMMAND

Address:ATTN: SMCCR-SFS. HDQ, BLDG E5101

Box:City:ABERDEEN PROVING GROUND

State:MD

ZIP:21010-5423

Country:US

Phone:

301-671-4411 (0800-1630 EST)

CAGE:80706

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

Ingred Name:DIETHYLENE TRIAMINE

CAS:111-40-0

RTECS #:IE1225000

Fraction by Wt: 69.-71%.

OSHA PEL:1 PPM

ACGIH TLV:S, 1 PPM; 9192

Ingred Name:2-METHOXYETHANOL (EGME) (SARA III)

CAS:109-86-4

RTECS #:KL5775000

Fraction by Wt: 27.-29%.

OSHA PEL:S, 25 PPM

ACGIH TLV:S, 5 PPM; 9192

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

/M3
ACGIH TLV:C 2 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingrid Name:MATERIAL MANUFACTURED FOR ARMY I/A/W THE REQMTS OF SPEC.;
ARMY'S CHEM. RES. & DEV. CTR. PROVIDED THE MASTER MSDS!
RTECS #:9999999ZZ

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CORROSIVE TO TISSUE & HIGHLY
IRRITANT TO RESPIRATORY T
RACT; CHRONIC: REPEATED EXPOSURE TO
"DETA" CAN CAUSE SKIN SENSITIZATION & ASTHMA; SUFFICIENT EXPOSURE
TO "EGME" MAY CAUSE "CNS" DEPRESSION & LIVER DAMAGE. ALTHOUGH NOT
DEFINITELY ESTABLISHED IN HUMANS, REPRODUCTIVE EFFECTS ARE ALSO A
MAJOR CONCERN.
Effects of Overexposure:NO TOX. DATA AVAILABLE ON DS2. HOWEVER, DS2:
ALKALI WHICH ON CONTACT WILL CORRODE TISSUE. EFFECTS EXHIBITED ARE
A FUNCTION OF ROUTE OF EXPOS., AMT. OF SUBST. PRESENT & DURATION OF
EXPOSURE; HEALTH
EFF ECTS RANGE FROM MILD BURNS & PRIMARY
IRRITATION TO CORNEAL OPACIFICATION,SEVERE BURNS, NAUSEA,
VOMITING(SEE SUPPL DATA)
Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY
CONDITIONS.

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

First Aid:SKIN: FLUSH AWAY W/WATER UNTIL "SOAPINESS" IS NO LONGER
PRESENT; EYES: IMMEDIATELY FLUSH W/COPIOUS AMTS. OF WATER FOR AT
LEAST 15 MINS. IN EITHER CASE, SEEK MEDICAL ATTN.; INHAL: REMOVE TO
FRESH AIR
- GIVE CPR/O*2 AS SITUATION DICTATES. ADDITIONAL
SUPPORTIVE MEASURES MAY BE REQUIRED; INGEST: IF CONSCIOUS, GIVE
PATIENT AS MUCH MILK OR WATER AS POSSIBLE. DO NOT INDUCE VOMITING.
GET MED. ATTN. IMMED.

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

Flash Point:168F/75.6C
Extinguishing Media:CARBON DIOXIDE, ALCOHOL FOAM, WATER
Fire Fighting Procedures:NONE CITED
Unusual Fire/Explosion Hazard:NEVER MIX OR STORE ACIDS, OXIDIZING
AGENTS, OR STB(SUPER-TROPICAL

BLEACH) TOGETHER W/ DS2; FIRE OR
EXPLOSION MAY RESULT.

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

Spill Release Procedures:SPILLS ON POROUS SURFACES(CONCRETE, WOOD,
ETC.) SHOULD BE CLEANED & NEUTRALIZED IMMEDIATELY. OTHERWISE, IT
WILL BE ABSORBED & BECOME AN INDEFINITE HAZARD. CONTAIN SPILL,
NEUTRALIZE, ABSORB ON VERMICULITE, CLAY OR DIATOMACEOUS EARTH.
SCOOP UP IN DRUM!

Neutralizing Agent:SODIUM BISULFATE

===== Handling and Storage
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Handling and Storage Precautions:AVOID EXTREME TEMPERATURES(I.E.,
160F/71C) FOR STORAGE! AVOID CONTACT W/LEAKING LIQUID OR VAPOR.
Other Precautions:SPILL/RELEASE PROCEDURE CONTD: SCOOP UP MATERIAL &
CONTAMIN. MATTER, PLACE IN EPOXY COATED DRUM W/REMOVABLE HEAD IAW
EPA & DOT RQMTS.; DURING CLEAN-UP,WEAR FULL FACE RESPIR. W/ORGANIC
VAPOR CARTRIDGE, ARM-LENGTH RUBBER GLOVES & RUBBER APRON.

===== Exposure Controls/Personal Protection =====
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Respiratory Protection:FOR DS2 AIRBORNE CONC. 5 PPM OR EMERGENCIES, USE "SCBA"
Ventilation:LOCAL EXHAUST: NECESSARY IF TLV(TWA) EXCEEDED.

Protective Gloves:BUTYL RUBBER: ARM'S LENGTH TYPE

Eye Protection:SPLASHPROOF GOGGLES /FULL FACE SHIELD

Other Protective Equipment:AS REQUIRED FOR TASK AT HAND; CORROSIVE
RESISTANT(I.E. RUBBER) GAUNTLET, BOOTS, & APRON.

Work Hygienic Practices:USE MATERIAL IAW THE GUIDELINES & INSTRUCTIONS
SET FORTH IN USER'S TECH MANUAL.

Supplemental Safety and Health

Signs & Symptom

SIGNS & SYMPTOM OVEREXPOSURE. CONTD: RESPIRATORY IRRITATION, SKIN
SENSITIZATION.

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

HCC:B1

Boiling Pt:B.P. Text:380F/193.3C

Spec Gravity:0.97 - 0.98

pH:>12.5

Appearance and Odor:CLEAR AMBER SOLUTION WITH AMMONIA-LIKE ODOR.

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

Stability Indicator/Materials to Avoid:YES

CORROSIVE: INCOMPATIBLE W/AL,CD,SN, & ZN; LEXAN,CELLULOSE
ACETATE,PVC,MYLAR,ACRYLIC;PAINT

,WOOL,OXIDIZING MATRL

Stability Condition to Avoid:EXPOSURE TO AIR. DS2 WILL DETERIORATE IN AIR. EXPOSURE OF 48 HRS OR MORE TO OPEN AIR PRODUCES GELATIN-LIKE BODIES!

Hazardous Decomposition Products:NONE CITED

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

Waste Disposal Methods:CHOICE OF METHOD DEPENDS ON PHYSICAL CONDITION OF WASTE & FACILITY'S CAPABILITY. FOR EXCESS STOCK,COORDINATE W/LOCAL DRMD; OVERSEAS OPERATE W/IN HOST COUNTRY & DRMD REGS.;/WASTE CORROSIVE(PH >12.5) W/ EPA HAZ. WASTE:D002; INCINERATE OR NEUTRALIZE.

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