

U.S. ARMY ARMAMENT, MUNITIONS & CHEMICAL COMMAND -- DECONTAMINATING AGENT DS2 --
4230-01-136-8888

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

Product ID: DECONTAMINATING AGENT DS2

MSDS Date: 09/28/1984

FSC: 4230

NIIN: 01-136-8888

MSDS Number: BHBZD

=== 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

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

S Ingestion: YES

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

Health Hazards Acute and Chronic: ACUTE: CORROSIVE TO TISSUE & HIGHLY IRRITANT TO RESPIRATORY TRACT; 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, DS 2:

ALKALI WHICH ON CONTACT WILL CORRODE TISSUE. EFFECTS EXHIBITED ARE A FUNCTION OF ROUTE OF EXPOS., AMT. OF SUBST. PRESENT & DURATION OF EXPOSURE; HEALTH EFFECTS 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.

===== 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.

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

Flash Point: 168F/75.6C

Extinguishing Media: CARB

ON 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

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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.

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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 OVEREXPOSURE. CONTD: RESPIRATORY IRRITATION, SKIN
SENSITIZATION.

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Physical/Chemical Properties
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HCC: B2
Boiling Pt: =193.3C, 380.F
Spec Gravity: 0.97 - 0.98
pH: >12.5
Appearance and Odor: CLEAR AMBER SOLUTION WITH AMMONIA-LIKE ODOR.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid: YES
CORROSIVE: INCOMPATIBLE W/AL, CD, SN, & ZN; LEXAN, CELLULOSE
ACETATE, PVC, MYLAR, ACRYLIC; PAINT, WOOL, OXIDIZING MATERIAL
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

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Disposal Considerations
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Waste Disposal Methods: CHOICE OF METHOD DEPENDS ON P

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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