DECONTAMINATING AGENT DS2

MSDS Number

BHCHJ

National Stock Number

4230-01-133-4124

Product Name

DECONTAMINATING AGENT DS2

Manufacturer

U S ARMY ARMAMENT MUNITIONS AND CHEMICAL COMMAND

Product Identification

Product ID:DECONTAMINATING AGENT DS2
MSDS Date:09/28/1984
FSC:4230
NIIN:01-133-4124
MSDS Number: BHCHJ

Responsible Party

U.S. ARMY ARMAMENT,MUNITIONS & CHEMICAL COMMAND

SMCCR-SFS, HDQ. BLDG. E5101

ABERDEEN PROVING GROUND , MD 21010-5423

US

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

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

Cage: 80700

Contractor

U.S. ARMY ARMAMENT,MUNITIONS & CHEMICAL COMMAND

ABERDEEN PROVING GROUND, MD 21010-5423

US

301-278-5201 (AFTER DUTY HOURS

Cage: 80700

Ingredients

DIETHYLENE TRIAMINE

CAS: 111-40-0

RTECS: IE1225000

Fraction By Weight: 69.-71%.

OSHA PEL1 PPM

ACGIH TLV: S, 1 PPM; 9192

2-METHOXYETHANOL (EGME) (SARA III)

CAS: 109-86-4

RTECS: KL5775000

Fraction By Weight: 27.-29%.

OSHA PELS, 25 PPM

ACGIH TLV: S, 5 PPM; 9192

Hazards

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 TRACT; CHRONIC: REPEATED EXPOSURE TO "DETA" CAN CAUSE SKIN SENSITIZATION & ASTHMA; SUFFICIENT EXPOSURE TO "EGME" MAY CAUSE "CNS" DEPRESSION & LIVER DAMAGE. ALTHOUGH NOT DEFINITELYESTABLISHED 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.

First Aid

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

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

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 VERMICUL ITE, CLAY OR DIATOMACEOUS EARTH. SCOOP UP IN DRUM!
Neutralizing Agent:SODIUM BISULFATE

Handling

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

Respiratory Protection:FOR DS2 AIRBORNE CONC. FACEPIECE & ONE OF THE FOLLOWING: A) CHEM. CARTRIDGE RESP. W/AMINE CARTDGE; B) SUPPL. AIR RESP; C) SUPPL. AIR RESP. IN POSITIVE PRESS. ON CONTIN. FLOW MODE; FOR 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 GUIDLINES & INSTRUCTIONS SET FORTH IN USER'S TECH MANUAL.
Supplemental Safety and Health
SIGNS & SYMPTOM OVEREXP. CONTD: RESPIRATORY IRRITATION, SKIN SENSITIZATION.

Chemical Properties

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.

Stability

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

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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