

## **SUPER DESOTHANE ACTIVATOR**

### **MSDS Number**

BHFCG

### **National Stock Number**

8010-01-023-4261

### **Product Name**

SUPER DESOTHANE ACTIVATOR

### **Manufacturer**

APPLIED RESEARCH AND ENGINEERING INC

### **Product Identification**

Product ID: SUPER DESOTHANE ACTIVATOR

MSDS Date: 06/12/1987

FSC: 8010

NIIN: 01-023-4261

Kit Part: Y

MSDS Number: BHFCG

### **Responsible Party**

APPLIED RESEARCH AND ENGINEERING INC

7 RAILROAD AVE SUITE F

BEDFORD , MA 01730

US

Emergency Phone: 617-271-0258

Info Phone: 617-271-0258

Preparer: S. M. STEVENSON

Cage: 48526

### **Contractor**

DESOTO INC

UNKNOW

BEDFORD, MA 01730

US

617-271-0258

Cage: 48026

### **Ingredients**

CYCLOHEXANONE (SARA III)

CAS: 108-94-1

RTECS: GW1050000

Fraction By Weight: 5.0%

OSHA PELS, 50 PPM

ACGIH TLV: S, 25 PPM; 9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

METHYL N-AMYL KETONE

CAS: 110-43-0

RTECS: MJ5075000

Fraction By Weight: 30.0%

OSHA PEL100 PPM

ACGIH TLV: 50 PPM; 9192

METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS: 78-93-3

RTECS: EL6475000

Fraction By Weight: 25.0%

OSHA PEL200 PPM/300 STEL

ACGIH TLV: 200 PPM/300STEL 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 5.0%

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ALIPHATIC POLYISOCYANATE

Fraction By Weight: 30.0%

OSHA PELNONE ESTABLISHED

ACGIH TLV: NONE ESTABLISHED

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight:

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION:

EXPOSURE-NASAL/RESPIRATORY/ACUTE CENTRAL NERV SYS DEPRESS CHAR BY  
HEADACHE/DIZZINESS/STAGGERING GATE/CONFUSION/UNCONSCIOUSNESS.

ASPHYXIATION FM OXYGEN DEFICIENT AIR. SKIN: PROLONGED/RE PEAT

CONTACT-IRRI/DEFATTING/DERMATITIS.EYE: PRIMARY IRRI. INGESTION: GASTROINTESTINAL IRRI/NAUSEA/VOMITING/DIARRHEA.  
Effects of Overexposure:REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EFFECTS INCLUDE CONCENTRATION DIFFICULTIES, DIMINISHED MANUAL DEXTERITY AND MEMORY LOSS. INHALATION OF ISOCYANATES MAY CAUSE ALLERGIC SENSITIZATION.

## First Aid

First Aid:INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR. GIVE CPR IF REQ. GIVE OXYGEN IF BREATHING IS DIFFICULT. KEEP WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. DO NOT USE SOLVENTS. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. GET MEDICAL ATTENTION. EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:CC  
Flash Point:45F 7.2C  
Extinguishing Media:USE NATIONAL FIRE PROTECTION ASSOCIATION CLASS B. EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM)  
Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECT. COOL FIRE EXPOSED CONTAINERS W/WATER. FOG NOZZLES PREFER. WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS/PROT CLOTH'G  
Unusual Fire/Explosion Hazard:VAPORS:MAY ACCUM IN INADEQUATELY VENTIL OR CONFINED AREAS/FORM EXPLOSIVE MIXT'S W/AIR/MAY TRAVEL LONG DIST. BEWARE OF FLASHBACK. CONTAINER MAY EXPLODE-EXT HEAT.

## Accidental Release

Spill Release Procedures:REMOVE SOURCE OF IGNIT. WEAR PROT EQUIP TO AVOID BREATHING VAPORS & SKIN/EYE CONTACT W/SPILL MAT'L.USE NON-SPARK TOOLS. SMALL SPILLS DIKE/ABSORB W/ INERT MATL. NEUT AREA W/DECON SOL. USE EMER RESPON PROF IF NESS. COLL MATL OPEN DRUM/TAKE ISOL AREA.  
Neutralizing Agent:DECONTAMINATION SOLUTION OF WATER (90-95%), DETERGENT (2%) AND AMMONIA (3-8%)

## Handling

Handling and Storage Precautions:ISOLATE FM IGNIT SOURCE. STORE FLAM LIQ IAW NFPA/ GOV REGS. KEEP CONT CLOSED. GROUND/BOND WHEN TRANSMATL.DONT:STORE >49C/APPLY HOT SUR/SMOKE-MATL USED  
Other Precautions:DO NOT:CUT/PUNCTURE/WELD ON/NEAR EMP DRUM/TAKE INTERN/SAND/FLAME CUT/BRAZE/WELD DRY COAT W/O NIOSH RESP/APPRO VENT. PREVENT PROLONGED CONT W/CONTAM CLOTH. DONT ENTER VAPOR AREA W/O: AIR MONITORING/USE OF SUPPLIED AIR/PRESENCE OF OBSERVER.

## Exposure Controls

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED RESPIRATOR W/EXPOSED. AIR SUPP RESP RECOM. A VAPOR/ PARTICULATE (SPRAY PAINT) RESP MAY BE APPROP W/AIR MONITOR DEMONSTRAT VAP LEVELSLMTS. FOL MANUF DI R/OSHA REGS (29 CFR 1910.134) RESP USE.  
Ventilation:PROV GEN DILU/LOCAL EXHAUS VENT IN VOL/PAT TO KEEP LEVEL HAZINGREDProtective Gloves:WEAR CHEMICALLY RESISTANT GLOVES.  
Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS/GOGGLES  
Other Protective Equipment:AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER/EYE BATH/WASHING FACILITIES S/B AVAILABLE.  
Work Hygienic Practices:WASH WITH SOAP AND WATER TO REMOVE CONTAMINATION FROM AFFECTED AREAS AND CLOTHING.  
Supplemental Safety and Health  
NK

## Chemical Properties

HCC:F2  
Boiling Pt:B.P. Text:176F 313F  
Vapor Density:>AIR  
Evaporation Rate & Reference:SLOWER THAN ETHER.

Appearance and Odor: LIQUID, SOLVENT ODOR  
Percent Volatiles by Volume: 75.4

## Stability

Stability Indicator/Materials to Avoid: YES  
AVOID CONTACT WITH WATER, ALCOHOLS, AND AMINES.  
Stability Condition to Avoid: TEMPERATURES ABOVE MAXIMUM STORAGE TEMPERATURES.  
Hazardous Decomposition Products: PRODUCTS OF COMBUSTION ARE HAZARDOUS.  
CO<sub>2</sub>, CO, OXIDES OF NITROGEN AND TRACES OF HCN AND ISOCYANATE MONOMER.

## Disposal

Waste Disposal Methods: MAT'L CLASSIFIED AS IGNITABLE HAZ WASTE. DURING DISPOSAL INSURE MAT'L PACKAGED/STORED/TRANSPORTED/MANAGED IAW LOCAL/STATE/FEDERAL HAZ WASTE LAWS/ REGS. USE NO DISPOSAL METHOD POSED AS ENVIRONMEN- TAL/HEALTH THREAT INCLUD GROUND/SUR WATER CONTAM.

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