

CHEMTRONICS,INC NOW,JET RESEARCH -- H AGENT SIMULANT VIAL,DMS,(SEE SUPP DATA) --  
6910-00-106-4800

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

Product ID:H AGENT SIMULANT VIAL,DMS,(SEE SUPP DATA)

MSDS Date:01/01/1987

FSC:6910

NIIN:00-106-4800

Kit Part:Y

MSDS Number: BHWFK

=== Responsible Party ===

Company Name:CHEMTRONICS,INC NOW,JET RESEARCH

Address:180 OLD BEE TREE RD

City:SWANNANOA

State:NC

ZIP:28778

Cou

ntry:US

Info Phone Num:704-298-7941

Emergency Phone Num:704-298-7941

CAGE:KO082

=== Contractor Identification ===

Company Name:CHEMTRONICS INC

Address:180 OLD BEE TREE RD

Box:City:SWANNANOA

State:NC

ZIP:28778-3409

Country:US

Phone:NOT LISTED IN PHONE DIRECTORY

CAGE:60737

Company Name:CHEMTRONICS,INC NOW JET RESEARCH(NO LONGER MFR)

Address:180 OLD BEE TREE ROAD

Box:City:SWANNANOA

State:NC

ZIP:28778

Country:US

Phone:703-298-7941

CAGE:KO082

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

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Ingred Name: DIMETHYL SULFATE (SARA III)  
CAS: 77-78-1  
RTECS #: WS8225000  
Other REC Limits: N/K  
OSHA PEL: S, 1 PPM  
ACGIH TLV: S, 0.1 PPM, A2; 9293  
EPA Rpt Qty: 100 LBS  
DOT Rpt Qty: 100 LBS

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

LD50 LC50 Mixture: N/K  
Reports of Carcinogenicity: NTP: YES IARC: YES OSHA: NO  
Health Hazards Acute and Chronic: DELAYED EFFECTS. SEVERE DAMAGE TO  
RESPIRATORY TRACT. SEVERE EYE INJURY FROM VAPORS. CORROSIVE TO AND  
PENETRATES SKIN

Explanation of Carcinogenicity: DIMETHYL SULFATE: SUSP HUM CARC/KNOWN  
ANIM CARC (NTP, 1989). INADEQ EVID FOR CARC IN HUM; SUFF EVID FOR CARC  
IN (SEE SUPP)  
Effects of Overexposure: DELAYED EFFECTS. EYES: SEVERE INJURY FROM  
VAPORS. SKIN: CORROSIVE TO AND PENETRATES SKIN. INGESTION: N/K  
. INHALATION: PAINFUL COUGH. SEVERE DAMAGE TO RESPIRATORY TRACT.  
Medical Cond Aggravated by Exposure: N/K

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

First Aid: EYES: IMMEDIATELY FLUSH FOR  
15 MINUTES WITH WATER. SKIN: WASH WITH WATER. APPLY ICE PACK. INGESTION: GIVE MILK. DO  
NOT INDUCE VOMITING. INHALATION: MOVE TO FRESH AIR. ARTIFICIAL  
RESPIRATION IF NECESSARY. CONSULT PHYSICIAN IN ALL INSTANCES OF  
CONTACT.

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

Flash Point Method: TCC  
Flash Point: 84.4C, 183F  
Lower Limits: N/K  
Upper Limits: N/K  
Extinguishing Media: FOAM, DRY CHEMICAL, CO<sub>2</sub> OR WATER.  
Fire Fighting Procedures: SCBA REQUIRED.  
Unusual Fire/Explosion:

osion Hazard:MIXTURES OF DIMETHYL SULFATE AND  
CONCENTRATED AMMONIA CAN EXPLODE.

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

Spill Release Procedures:WEAR ORGANIC RESPIRATOR,GLOVES AND CLOTHING  
DURING CLEAN-UP.COVER SPILLS WITH SODA ASH AND WATER SPRAY.LET  
STAND 24 HOURS.WASH AWAY WITH WATER.

Neutralizing Agent:N/K

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

Handling and Storage Precautions:DO NOT STORE WITH AQUEOUS AMMONIA OR  
N  
EAR GASEOUS AMMONIA.KEEP AWAY FROM AREAS OF HIGH HEAT.  
Other Precautions:KEEP CONTAINERS,VIALS AND AMPOULES CLOSED OR SEALED.

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

Respiratory Protection:MESA APPROVED RESPIRATOR WITH ORGANIC VAPOR  
CARTRIDGE.  
Ventilation:CONSULT LOCAL SAFETY/HEALTH AUTHORITIES IF ADDITIONAL  
GUIDANCE IS NEEDED .LOCAL-FUME HOOD:100 LFM MINIMUM.  
Protective Gloves:RUBBER  
Eye Protection:SPLASH PROOF GOGGLES.  
Other Protective Equipment:RUBBERIZEE  
D COVERALLS,RUBBER BOOTS AND SCBA  
FOR EMERGENCIES.  
Work Hygienic Practices:N/K  
Supplemental Safety and Health  
BP:DECOMPOSES @ 188C,370.4F.EXPLAN OF CARC:ANIMALS (IARC,1987).ACGIH  
A2=SUSP HUM CARC (1990).KNOWN TO CAUSE CANCER (CAL PROP 65  
1988).WASTE DISP METHODS:WITH ALKALI SCRUBBER OBSERVING LOCAL,STATE  
AND FEDERAL REGULATIONS.TLV:1 PPM OR 5 MG/M3.PART NO:(M72-A1  
TRAINING SET).

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

Boiling Pt:B.P. Text:SEE  
SUPP  
Melt/Freeze Pt:M.P/F.P Text:N/K  
Decomp Temp:Decomp Text:188C,370.4F  
Vapor Pres:0.54 MMHG  
Vapor Density:4.35,AIR=1  
Spec Gravity:1.328 (WATER=1)  
Evaporation Rate & Reference:>1 (BUTYL ACETATE=1)  
Solubility in Water:SLIGHT  
Appearance and Odor:CLEAR WHITE WITH NO CHARACTERISTIC ODOR.  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
AMMONIA AND METAL SALTS.  
Stability Condition to Avoid:N/K  
Hazar

dous Decomposition Products:POSSIBLY SULFUR DIOXIDE,HYDROGEN  
SULFIDE,CARBON DIOXIDE,CARBON MONOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISP MUST BE IAW FEDERAL,STATE & LOCAL  
REGULATIONS.COORDINATION W/ SUPPORTING INSTALLATION/MACOM ENVIRON  
COORDINATION BEFORE DISP IS REC TO DETERMINE APPROP DISP METHODS  
.MIX UNCONTAM MATL W/ SO LV & BURN IN INCINERATOR W/ AFTER BURNER

(SEE SUP)

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