

CHEMTRONICS INC -- CX & G AGENT SIMULANT VIAL -- 6910-01-043-2090  
===== Product Identification =====

Product ID: CX & G AGENT SIMULANT VIAL

MSDS Date: 04/01/1986

FSC: 6910

NIIN: 01-043-2090

Kit Part: Y

MSDS Number: BPFHP

=== Responsible Party ===

Company Name: CHEMTRONICS INC

Address: 180 OLD BEE TREE RD

City: SWANNANOA

State: NC

ZIP: 28778-3409

Country: US

Info Phone Num: 704-298-7941

Emergency Phone Num: 70

4-298-7941

CAGE: 60737

=== 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

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

Ingred Name: BENZENESULFONYL CHLORIDE (SARA III)

CAS: 98-09-9

RTECS #: DB8750000

Other REC Limits: NOT KNOWN

OSHA PEL: NOT KNOWN

ACGIH TLV: NOT KNOWN

EPA Rpt Qty: 100 LBS

DOT Rpt Qty: 100 LBS

Ingred Name: BENZOYL CHLORIDE

(SARA III)  
CAS:98-88-4  
RTECS #:DM6600000  
Other REC Limits:NOT KNOWN  
OSHA PEL:NOT KNOWN  
ACGIH TLV:NOT KNOWN  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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Hazards Identification  
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LD50 LC50 Mixture:LD50 RAT ORAL 1140 MG/KG.LC50 32 PPM.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION OF VAPORS IS HARMFUL.  
Explanation of Carcinogenicity:NONE  
Effects of O  
verexposure:EYES:HIGHLY IRRITATING. SKIN:CORROSIVE.  
Medical Cond Aggravated by Exposure:NOT KNOWN

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First Aid Measures  
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First Aid:EYES:FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15  
MINUTES. SKIN:FLUSH WITH WATER FOR 15 MINUTES. INGESTION:DO NOT  
INDUCE VOMITING. INHALATION:MOVE TO FRESH AIR. ADMINISTER  
ARTIFICIAL RESPIRATION OR OXYGEN AS NEEDED.

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Fire Fighting Measures  
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Flash Point:>160  
F,>71C  
Lower Limits:NOT KNOWN  
Upper Limits:NOT KNOWN  
Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL.DO NOT USE  
WATER.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA)  
AND PROTECTIVE CLOTHING AND GLOVES TO PREVENT EYE AND SKIN CONTACT.  
Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES OF HYDROGEN CHLORIDE  
AND PHOSGENE.

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Accidental Release Measures  
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Spill Release Procedures:PROVIDE ADEQUATE VENTILATION.CLEAN-UP  
PE

PERSONNEL NEED PROTECTIVE EQUIPMENT.ABSORB WITH VERMICULITE OR  
NEUTRALIZE WITH SODA ASH OR LIME.VENT DISPOSAL CONTAINER.

Neutralizing Agent:SODA ASH OR LIME.

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

Handling and Storage Precautions:90-DAY SHELF LIFE IN ORIGINAL  
CONTAINER.AFTERWARD TRANSFER TO GLASS.PROTECT CONTAINERS FROM  
PHYSICAL DAMAGE.

Other Precautions:CONTACT WITH WATER PRODUCES EXOTHERMIC REACTION  
PRODUCING HYDROGEN CHLORIDE GAS.AVOID SKIN AND EYE  
CONTACT.DO NOT  
INHALE VAPORS.

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

Respiratory Protection:WEAR OSHA/MSHA ORGANIC RESPIRATOR OR SCBA.  
Ventilation:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE  
IF LOCAL EXHAUST VENTILATION IS NEEDED .

Protective Gloves:WEAR CHEMICAL-RESISTANT RUBBER GLOVES.

Eye Protection:WEAR SPLASH-PROOF GOGGLES.

Other Protective Equipment:NOT KNOWN

Work Hygienic Practices:NOT KNOWN

Supplemental Safety and Health

NONE KNOWN

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

HCC:F6

Boiling Pt:B.P. Text:>392F,>200C

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Decomp Temp:Decomp Text:NOT KNOWN

Vapor Pres:NOT KNOWN

Vapor Density:>1 (AIR=1)

Spec Gravity:1.23 (WATER=1)

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:DECOMPOSES

Appearance and Odor:COLORLESS,FUMING LIQUID.

Percent Volatiles by Volume:100

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

Stability Indicator/Ma

materials to Avoid: YES

WATER, ALCOHOLS, OXIDIZERS, STRONG BASES.

Stability Condition to Avoid: MOISTURE

Hazardous Decomposition Products: HYDROGEN CHLORIDE AND PHOSGENE.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: DISP MUST BE IAW FED, STATE, & LOC REGS. COORDINATE W/ SUPPORTING INSTALLATION/MACOM ENVIRON OFFICE PRIOR TO DISP. DO NOT DISCHARGE TO SEWER. BURY IN APPROVED LANDFILL OR INCINERATE IN

EQUIPMENT WITH AFTER BURNER AND SCRUBBER.

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