

ENVIRONMENTAL TECHNOLOGIES GROUP INC -- INDIVIDUAL CHEMICAL AGENT DETECTOR, H  
SIMULANT COMPONENT -- 6665-01-340-1693

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

Product ID:INDIVIDUAL CHEMICAL AGENT DETECTOR, H SIMULANT COMPONENT

MSDS Date:07/14/1993

FSC:6665

NIIN:01-340-1693

Kit Part:Y

MSDS Number: BYHBH

=== Responsible Party ===

Company Name:ENVIRONMENTAL TECHNOLOGIES GROUP INC

Address:1400 TAYLOR AVE

Box

:9840

City:BALTIMORE

State:MD

ZIP:21284-9840

Country:US

Info Phone Num:410-321-5100 OR 410-321-5105

Emergency Phone Num:410-321-5100 OR 410-321-5105

CAGE:23667

=== Contractor Identification ===

Company Name:ENVIRONMENTAL TECHNOLOGIES GROUP INC

Address:1400 TAYLOR AVE

Box:9840

City:BALTIMORE

State:MD

ZIP:21284-9840

Country:US

Phone:301-321-5200

CAGE:23667

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

Ingred Name:PROPYLENE CARBONATE

CAS:108-32-7

RTECS #:FF9650000

Other REC

Limits:NONE RECOMMENDED

Ingred Name:ETHYL SULFIDE

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:\*RELEASE OF CHEMICALS, ICAD ACTIVATION  
& SENSOR MODULE RUPTURE\* ACUTE-EYE, SKIN ABSORPTION, INTOXICATION  
EFFECT. CHRONIC-NOT APPLICABL  
E DUE TO VOLUME. \*NORMAL ICAD  
OPERATIONS\* NO HEALTH EFFECTS, ACUT E OR CHRONIC.  
Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT  
CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE  
CARCINOGENIC.  
Effects of Overexposure:\*RELEASE OF CHEMICALS, ICAD ACTIVATION & SENSOR  
MODULE RUPTURE\* INTOXICATION EFFECT, EYE & MUCOUS MEMBRANE  
IRRITATION, BLURRED VISION. \*NORMAL ICAD OPERATIONS\* NO SYMPTOMS.  
Medical Cond Aggravated by Exposure:\*RELEASE OF CHE  
MICALS, ICAD  
ACTIVATION & SENSOR MODULE RUPTURE\* COPD (ASTHMA, EMPHYSEMA, TB,  
BRONCHITIS). \*NORMAL ICAD OPERATIONS\* NONE.

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

First Aid:EYE:WASH W/RUNNING WATER FOR MINIMUM OF 30 MIN. & SEEK  
MEDICAL ATTENTION. SKIN:WASH W/RUNNING WATER FOR A MINIMUM OF 30  
MIN. INHALATION:MOVE TO VENTILATED AREA (AWAY FROM SOURCE OF  
EXPOSURE) - START O XYGEN THERAPY (IF NEEDED). INGESTION:DILUTE  
W/LARGE QUANTITIES OF NEUTR  
ALIZING SOLUTIONS (WATER, MILK).

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

Flash Point:55.4F,13.0C  
Extinguishing Media:CARBON DIOXIDE, WATER, DRY CHEMICAL, POLYMER FOAM  
Fire Fighting Procedures:MFR GAVE NO INFORMATION ON MSDS.  
Unusual Fire/Explosion Hazard:MFR GAVE NO INFORMATION ON MSDS.

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

Spill Release Procedures:MFR GAVE NO INFORMATION ON MSDS.  
Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:STORE MATERIALS IN TEMPERATE WAREHOUSE ENVIRONMENT TO ENSURE PRODUCT INTEGRITY - MAINTAIN FEDERAL VENTILATORY STANDARDS FOR WAREHOUSE CONDITIONS.

Other Precautions:INITIAL ACTIVATION OF ICAD SHOULD BE PERFORMED IN AN OPENLY VENTILATED ENVIRONMENT TO ENSURE PERSONNEL SAFETY. (USE I/A/W ICAD USER MANUAL.)

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

Respira

tory Protection:NONE REQUIRED (USE I/A/W ICAD USER MANUAL.)

Ventilation:MFR GAVE NO INFORMATION ON MSDS.

Protective Gloves:NONE REQUIRED,USE I/A/W ICAD USER MANUAL

Eye Protection:NONE REQUIRED,USE I/A/W ICAD USER MANUAL

Other Protective Equipment:MFR GAVE NO INFORMATION ON MSDS.

Work Hygienic Practices:MFR GAVE NO INFORMATION ON MSDS.

Supplemental Safety and Health

NONE

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

HCC:F2

NRC/State Lic Num:NONE

Boiling Pt.=180.C, 356.F

B

.P. Text:356F,180C

Spec Gravity:1.18

Evaporation Rate & Reference:N/A (CARBON TET = 1)

Solubility in Water:SLIGHTLY SOLUBLE

Appearance and Odor:COLORLESS LIQUID, FOUL STENCH

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

Stability Indicator/Materials to Avoid:YES

MFR GAVE NO INFORMATION ON MSDS.

Stability Condition to Avoid:STRONG OXIDIZING & REDUCING AGENTS

Hazardous Decomposition Products:MFR GAVE NO INFORMATION ON MSDS.

Conditions to Avoid Polymerization:MFR GAVE N

O INFORMATION ON MSDS.

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL  
REGULATIONS. (REFER TO 40CFR FOR GUIDANCE.)

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.