

SCIENCE KIT INC -- 1,2-DICHLOROETHANE,81840-03 -- 6810-00-838-5932

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

Product ID:1,2-DICHLOROETHANE,81840-03

MSDS Date:12/01/1994

FSC:6810

NIIN:00-838-5932

MSDS Number: BYSZQ

=== Responsible Party ===

Company Name:SCIENCE KIT INC

Address:777 E PARK DR

City:TONAWANDA

State:NY

ZIP:14150-6708

Country:US

Info Phone Num:800-256-2586

Emergency Phone Num:800-256-2586

Prep

arer's Name:R.M. CARLSON

Chemtrec Ind/Phone:(800)424-9300

CAGE:57020

=== Contractor Identification ===

Company Name:AQUA SOLUTIONS INC

Address:6913 HWY 225

Box:70

City:DEER PARK

State:TX

ZIP:77536

Country:US

Phone:713-479-2569

CAGE:0KEJ9

Company Name:SCIENCE KIT INC

Address:777 E PARK DR

Box:City:TONAWANDA

State:NY

ZIP:14150-6708

Country:US

Phone:716-874-6020

CAGE:57020

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

Ingred Name:ETHYLENE DICHLORIDE (SARA 313) (CERCLA)

CAS:

107-06-2
RTECS #:KI0525000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM; Z-2
ACGIH TLV:10 PPM; 9495
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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Hazards Identification
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LD50 LC50 Mixture:TLV IS 10 PPM.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, LIVER,
KIDNEY, LUNG, BLOOD. ACUTE- ABSORBED THROUGH SKI
N. IRRITATION &
PAIN TO EYES, SKIN, LUNGS & GI TRACT. MAY CAUSE NAUSEA, DIZZINESS,
CYANOSIS, NEUROLOGICAL DISORDERS. CHR ONIC- LIVER/KIDNEY DAMAGE,
ANEMIA, BONEMARROW DAMAGE, WEIGHT LOSS.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, DROWSINESS, DIZZINESS, NAUSEA,
VOMITING, HEADACHE, WEAKNESS, ABDOMINAL DISCOMFORT, DRYNESS OF
SKIN, ABDOMINAL PAIN, CYANOSIS
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE EYE, SKIN
, RESPIRATORY TRACT, LIVER, KIDNEYS, CNS
MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE
EXPOSURES.

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First Aid Measures
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First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN.
SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE
CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, DRINK WATER &INDUCE
VOMITING. CALL A PHYSICIAN/POISO
N CONTROL CENTER IMMEDIATELY. NEVER
GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS
CONVULSIONS.

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Fire Fighting Measures
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Flash Point Method:CC
Flash Point:55.4F,13.0C
Autoignition Temp:Autoignition Temp Text:775F
Lower Limits:6.2
Upper Limits:15.9
Extinguishing Media:USE CARBON DIOXIDE, SAND, FOAM, DRY CHEMICAL. USE
WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND

NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH. PREVENT LIQUID FROM ENTERING SEWERS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA AWAY FROM SOURCES OF IGNITION & INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN. AVOID STORAGE ABOVE 100F.

Other Precautions:FLAMMABLE LIQUID. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID INHALATION OF VAPORS. OBEY HAZARD WARNING LABEL.

FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD/HOUSEHOLD USE. USE WITH ADEQUATE VENTILATION.

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

Respiratory Protection:IF WORKING IN CONFINED AREAS OR IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR NIOSH-APPROVED RESPIRATORY PROTECTION FOR ORGANIC VAPORS (REFER TO 29 CFR 1910.134) OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE, VINYL, RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, INDUSTRIAL-TYPE WORK CLOTHING, APRON

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:F2

NRC/State Lic

Num:NOT RELEVANT

Boiling Pt:B.P. Text:181F,83C

Melt/Freeze Pt:M.P/F.P Text:-31F,-35C

Vapor Pres:68 @ 68F

Vapor Density:3.42

Spec Gravity:1.25

Evaporation Rate & Reference:1.3 (CCL4=1)

Solubility in Water:VERY SLIGHT

Appearance and Odor:CLEAR, COLORLESS LIQUID, CHLOROFORM-LIKE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ALUMINUM/MAGNESIUM POWDERS, AMMONIA
Stabilit

y Condition to Avoid:AIR, LIGHT, HEAT, DIRECT SUNLIGHT, SPARKS,
FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
PHOSGENE, VINYL CHLORIDE, HYDROCHLORIC ACID GAS

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

Waste Disposal Methods:DISPOSAL SHOULD BE IN ACCORDANCE WITH ALL LOCAL,
STATE AND FEDERAL REGULATIONS. INCINERATION IS RECOMMENDED.

Disclaimer (provided with this information by the compiling agencies)

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