

MATERIAL SAFETY DATA SHEET: DYLEK AEROSOL**Section I - General Information**

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Date of Issue:
9/1/1989 12:00:00 AM**Supercedes:**
11/4/1988 12:00:00 AM**Chemical Name & Synonyms:**
TRICHLOROTRIFLUOROETHANE**Trade Name & Synonyms:**
DYLEK AEROSOL**Chemical Family:**
CHLOROFLUOROETHANE**Formula is a mixture:** []**Manufacturer Name:**
CERTIFIED LABS, DIV. OF NCH CORP.**Manufacturer Address:**
BOX 152170
IRVING, TEXAS 75015**Prepared By:**
RICHARD STOLLEY/T.S.CHEM.**Product Code Number:**
0561**Emergency Phone Number:**
800-424-9300**Section II - Hazardous Ingredients**

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
TRICHLOROTRIFLUOROETHANE	IRR/ASPHYX	1000PPM	1000PPM	1250PPM	76-13-1

Section III - Physical Data

Boiling Point (°F): 118	Specific Gravity (H₂O=1): 1.570
Vapor Pressure (mm Hg): 29.9	Color: WATER WHITE
Vapor Density (Air=1): 6.5	Odor: CHLORONATED
pH @ 100% : N/A	Clarity: TRANSPARENT
% Volatile by Volume: 100	Evaporation Rate (BuAc=1): >1
H₂O Solubility: NEGLIGIBLE	Viscosity: NONVISCIOUS

Section IV - Fire and Explosion Hazard**Flash Point:** NONFLAM.**Method Used:** N/A**Flammable Limits:****UEL:** N/A**LEL:** N/A**Aerosol Level (NFPA 30B):** N/A**Extinguishing Media:**

<input checked="" type="checkbox"/> Foam	<input type="checkbox"/> Alcohol Foam	<input checked="" type="checkbox"/> CO ₂
<input checked="" type="checkbox"/> Dry Chemical	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Other

NFPA 704 Hazard Rating:

4-Extreme	Health: 3
3-High	Flammability: 1
2-Moderate	Instability: 0
1-Slight	Special:
0-Insignificant	

Special Fire Fighting Procedures:

Special Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS APPROVED BY NIOSH. USE WATER SPRAY TO KNOCK DOWN VAPORS AND COOL CONTAINERS.

Unusual Fire and Explosion Hazards:

HYDROGEN CHLORIDE, CARBON MONOXIDE, AND UNDER CERTAIN COMBUSTION CONDITIONS PHOSGENE.

Section V - Health and Hazard Data

Threshold Limit Value:

1000 PPM (EVAPORATED BLEND)

Effects of Overexposure:**Acute: (Short Term Exposure)**

INHALATION: ANESTHETIC. IRRITATES RESPIRATORY TRACT. MAY CAUSE SERIOUS NERVOUS SYSTEM DEPRESSION. MAY CAUSE DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER AND LUNGS. SKIN CONTACT: PRIMARY IRRITATION, DEFATTING, DERMATITIS EYE CONTACT: PRIMARY IRRITATION, REDNESS, TEARING, BLURRED VISION. INGESTION: SWALLOWING CAN CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. VAPOR HARMFUL. HEATING FORMS HAZARDOUS VAPOR.

Chronic: (Long Term Exposure)

NO INFORMATION AVAILABLE.

Primary Routes of Entry

Inhalation Ingestion Absorption

Emergency First Aid Procedures:**Inhalation:**

REMOVE FROM CONTAMINATED AREA. APPLY ARTIFICIAL RESPIRATION AND OXYGEN IF BREATHING STOPS. GET MEDICAL ATTENTION. MAY CAUSE ASPHYXIATION.

Eye Contact:

IMMEDIATELY FLUSH EYES WITH LOTS OF WATER FOR 15 MINUTES. LIFT UPPER AND LOWER EYELIDS. GET MEDICAL ATTENTION.

Skin Contact:

MAY CAUSE FROSTBITE. FLUSH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF REDDENING OF SKIN DEVELOPS.

Ingestion:

GET MEDICAL ATTENTION. DO NOT INDUCE VOMITING. GIVE LOTS OF WATER OR MILK IF CONSCIOUS. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Notes to Physician:

BECAUSE OF A POSSIBLE INCREASED RISK OF ELICITING CARDIAC DYSRHYTHMIAS, CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD BE CONSIDERED ONLY AS A LAST RESORT IN LIFE THREATENING EMERGENCIES

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC NTP OSHA ACGIH Other

TRICHOROTRIFLUOROETHANE

ORL-RAT LD50: 43 GM/KG 2.

IHL-HMN TDLO: 4500 PPM TFX CNS 2.

IHL-RAT TCLO: 87,000 PPM 16H 2.

Section VII - Reactivity Data

Stability

Hazardous Polymerization

<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable	<input checked="" type="checkbox"/> Will not occur	<input type="checkbox"/> May occur
Conditions to Avoid: ISOLATE FROM HEAT OR OPEN FLAME.		Conditions to Avoid: N/A	

Incompatibility (Materials to Avoid):
STRONG OXIDIZERS SUCH AS PERMANGANATE.

Hazardous Decomposition Products:
CARBON MONOXIDE, HYDROGEN CHLORIDE, AND TRACES OF PHOSGENE.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:

SMALL: MOP UP WITH ABSORBANT MATERIAL AND TRANSFER TO CLOSED CONTAINER. LARGE: ISOLATE FROM OXIDIZERS, HEAT OR OPEN FLAME. PERSONS WITHOUT PROPER PROTECTION SHOULD BE KEPT FROM AREA UNTIL CLEANED UP. STOP SPILL AT SOURCE DIKE AREA TO PREVENT SPREAD. PUMP LIQUID TO SALVAGE TANK. REMAINDER MAY BE TAKEN UP ON ABSORBANT MATERIAL AND SHOVELED INTO CONTAINERS.

Waste Disposal Method(s):

DISPOSE OF IN ACCORANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL POLLUTION REGULATIONS.

Neutralizing Agent:

NONE

Section IX - Special Protection Information

Required Ventilation:

LOCAL EXHAUST IS PREFERRABLE, BUT MECHANICAL (GENERAL) EXHAUST IS ACCEPTABLE.

Respiratory Protection:

VENTILATE TO KEEP AIR BELOW 500 PPM. IF OVER TLV, USE SELF-CONTAINED AIR PACK APPROVED BY NIOSH/OSHA. CONSULT SAFETY EQUIPMENT SUPPLIER. USE EXPLOSION PROOF EQUIPMENT.

Glove Protection:

RECOMMENDED. (MUST BE IMPERVIOUS TO SOLVENTS)

Eye Protection:

OSHA STANDARD CHEMICAL SPLASH GOGGLES ARE ADVISED. CONSULT SAFETY EQUIPMENT SUPPLIER.

Other Protection:

TO PREVENT CONTACT WITH SKIN, WEAR IMPERVIOUS CLOTHING AND BOOTS.

Section X - Storage and Handling Information

Storage Temperature Max: 80 F. Min: 50 F.	Storage Conditions <input checked="" type="checkbox"/> Indoors <input type="checkbox"/> Outdoors <input type="checkbox"/> Heated <input type="checkbox"/> Refrigerated
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Precautions to be Taken in Handling and Storing:

DO NOT DRINK ALCOHOL SHORTLY BEFORE, DURING OR AFTER USE. STORE AT MODERATE TEMPERATURES. KEEP FROM CHILDREN.

Other Precautions:

WHEN USING, LOOSEN BUNG SLOWLY TO RELIEVE PRESSURE DO NOT STORE ABOVE 38 C./100 F. STORE LARGE AMOUNTS IN STRUCTURES MADE FOR OSHA CLASS LIQUIDS. AVOID FREE FALL OF LIQUID. GROUND CONTAINERS WHEN POURING. DO NOT FLAME OUT, BRAZE OR WELD. EMPTY CONTAINER IS HAZARDOUS. FOLLOW LABEL DIRECTIONS.

Section XI - Regulatory Information

Chemical Name	CAS Number	Upper % Limit
TRICHLOROTHRIFLUOROETHANE	76-13-1	100

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. VENDOR'S MATERIAL SAFETY DATA SHEET.
2. NIOSH REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, 1982.

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