

ALLIED CORPORATION, CHEMICAL SECTOR -- GENETRON 500 AZEOTROPE -- 6830-01-137-7971
===== Product Identification =====

Product ID:GENETRON 500 AZEOTROPE

MSDS Date:01/01/1986

FSC:6830

NIIN:01-137-7971

MSDS Number: BKLLZ

=== Responsible Party ===

Company Name:ALLIED CORPORATION, CHEMICAL SECTOR

Box:1139R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Info Phone Num:201-455-4157

Emergency Phone Num:201

-455-4157

CAGE:OLYW2

=== Contractor Identification ===

Company Name:AIR CONDITIONING SUPPLIERS INC

Address:3100 W CLAY STREET

Box:6749

City:RICHMOND

State:VA

ZIP:23230-4704

Country:US

Phone:804-359-2468

CAGE:54379

Company Name:ALLIED CORPORATION, CHEMICAL SECTOR

Box:1139R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Phone:201-455-2000

CAGE:OLYW2

Company Name:HONEYWELL INTL INC ENVIRONMENTAL SYSTEMS AND SERVICES

Address:101 COLUMBIA RD

Box:City:MORRISTOWN

State:NJ

ZIP:07962

Country:US

Phone:973-

455-3922
CAGE:70308

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Composition/Information on Ingredients
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Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)
CAS:75-71-8
RTECS #:PA8200000
Fraction by Wt: 73.8%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

Ingred Name:DIFLUOROETHANE
CAS:75-37-6
RTECS #:K11410000
Fraction by Wt: 26.2%
Other REC Limits:NONE SPECIFIED

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Hazards Identification
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LD50 LC50 Mixture:LC50 (RAT) IS OVER 400,000 PPM
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALE-ACUTE TOXICITY IS LOW AT
CONCENTRATIONS AS HIGH AS 4%. INGEST-NOT APPLICABLE. SKIN-CONTACT
WITH LIQUID MATERIAL MAY CAUSE FROSTBITE. EYES-SAME HAZARDS AS
THOSE DESCRIBED FOR SKIN CONTACT . CHRONIC: NO CHRONIC TOXICITY
DATA FOUND.
Explanation of Carcinogenicity:
NONE OF THE INGREDIENTS OF THIS MATERIAL
ARE LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:INHALE: ASPHYXIATION, LOSS OF COORDINATION,
INCREASED PULSE RATE, & DEEPER RESPIRATION WHEN OXYGEN LEVELS IN
AIR ARE REDUCED TO 12-14%. SKIN/EYES: REDNESS OR PALLOR, LOSS OF
SENSATION AND SWELLING IN CONTACT AREAS.
Medical Cond Aggravated by Exposure:WORKERS WITH CARDIOVASCULAR OR
PULMONARY PROBLEMS SHOULD HAVE MEDICAL EVALUATIONS BEFORE EXPOSURE.

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

First Aid:INHALE-REMOVE IMMEDIATELY TO FRESH AIR. IF STOPPD BREATHING, GIVE CPR. CALL A PHYSICIAN. USE OXYGEN AS REQUIRED. DO NOT GIVE EPINEPHRINE (ADRENALIN). SKIN-IMMEDIATELY BATHE ANY FROSTBITE (DO NOT RUB) WITH LUKEWARM (NOT HOT) WATER. IF NO WATER, COVER WITH SOFT WOOL. QUICKLY REMOVE ANY CONTAMINATED CLOTHING. CALL A DOCTOR. EYE-LIFT EYELIDS DURING WASHING TO ASSIST IRRIGATION FOR 15 MINUTES.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:ANY STANDARD AGENT-CHOOSE THE ONE THAT IS APPROIATE FOR TYPE OF SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS & EYE/SKIN PROTECTION. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY & DISPERSE GAS OR VAPOR.

Unusual Fire/Explosion Hazard:MATERIAL IS A LIQUID & GAS UNDER ITS OWN PRESSURE. WHILE NOT COMBUSTIBLE ITSELF, CONTACT WITH CERTAIN METALS

MAY PRODUCE EXOTHERMIC REACTIONS OR EXPLOSIONS.

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

Spill Release Procedures:EVACUATE AREA. USING A SCBA & PROTECTION AGAINST FROSTBITE, CLOSE VALVES OR REPAIR SOURCE OF LEAK. IF WITHOUT RISK, & PROVIDE VENTILATION. REMOVE LEAKING CYLINDER TO OUTDOOR & SET UPRIGHT.

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

Handling and Storage Precautions:STORE IN A COOL, DRY WELL VENTED AREA AWAY FROM H

EAT, FLAME OR COMBUSTIBLES. PROTECT CYLINDER FROM DAMAGE. DO NOT BREATH GAS & AVOID EYE/SKIN CONTACT.

Other Precautions:DO NOT PUNCTURE OR DROP CYLINDERS. USE AUTHORIZED CONTAINERS ONLY. FOLLOW STANDARD SAFETY PRECAUTIONS FOR HANDLING AND USE OF CYLINDERS OF COMPRESSED GAS. ALSO STORAGE IN SUBSURFACE LOCATIONS SHOULD B E AVOIDED. CLOSE VALVES TIGHTLY.

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

Respiratory Protection:NONE GENERALLY REQUIRED FOR ADEQUATEL

Y VENTED

WORK SITUATIONS. FOR ACCIDENTAL OR NON-VENTED AREAS, WHERE CONCENTRATIONS MAY BE HIGH, USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE.

Ventilation:LOCAL EXHAUST AT FILLING ZONES & POSSIBLE LEAKAGE AREAS. MECHANICAL (GENERAL) IS ADEQUATE IN OPERATING/STORAGE AREAS.

Protective Gloves:PVA OR NEOPRENE

Eye Protection:SAFETY GLASSES, CHEMICAL SAFETY GOGGLES

Other Protective Equipment:WEAR PROTECTIVE, IMPERVIOUS CLOTHING & BOOTS

WITH OUTER MYLAR COATED DURAFAB & A THERMAL INSULATION UNDERNEATH.

Work Hygienic Practices:PROVIDE CONVENIENT WATER SOURCES FOR FIRST-AID TREATMENT IN CASE OF FROSTBITE.

Supplemental Safety and Health

GLOVES: WEAR PROTECTIVE GLOVES WITH OUTER LAYER MYLAR COATED DURAFAB AND A THERMAL INSULATION UNDERNEATH TO PREVENT FROSTBITE.--THIS PRODUCT CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY IF NOT HANDLED PROPERLY.

===== Physical/Chemical Properties =====
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HCC:G3

Boiling Pt:B.P. Text:-28F,-34C

Melt/Freeze Pt:M.P/F.P Text:-217F,-139C

Vapor Pres:85.4

Vapor Density:3.52

Spec Gravity:1.171

pH:UNK

Evaporation Rate & Reference:NOT APPLICABLE, GAS

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS GAS WITH FAINT ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, INCLUDING HALOGENS, HOT REACTIVE METALS (MOLTEN AL, BA

SHAVINGS, LI), ALKALINE EARTH METALS (NA, K ETC

Stability Condition to Avoid:FIRES, HOT SURFACES, LIGHTED CIGARETTES, WELDING. HIGH TEMPERATURES CAUSE DECOMPOSITION, YIELDING TOXIC GASES.

Hazardous Decomposition Products:DECOMPOSITION IS EXPECTED TO PRODUCE HALOGENS, HALOGEN ACIDS, CARBONYL HALIDES AS WELL AS CARBON MONOXIDE/DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DISPOSAL BY A LICENSED WASTE DISPOSAL COMPANY HANDLING FLUOROCARBONS MAY BE NECESSARY.

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