

PERFECTDATA CORP -- PERFECTDUSTER II -- 1430-01-205-6877

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Product Identification  
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Product ID:PERFECTDUSTER II

MSDS Date:07/01/1993

FSC:1430

NIIN:01-205-6877

MSDS Number: BXWMJ

=== Responsible Party ===

Company Name:PERFECTDATA CORP

Address:1825 SURVEYOR AVE

City:SIMI VALLEY

State:CA

ZIP:93063

Country:US

Info Phone Num:805-581-4000

Emergency Phone Num:800-424-9300(CHEMTREC)/805-581-400

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CAGE:60902

=== Contractor Identification ===

Company Name:G & A GIESTING AND ASSOCIATES SALES DIV.

Address:2854 BLUE ROCK ROAD

Box:39398

City:CINCINNATI

State:OH

ZIP:45239-6335

Country:US

Phone:513-382-4048

CAGE:6S313

Company Name:PERFECTDATA CORP

Address:110 WEST EASY STREET

Box:City:SIMI VALLEY

State:CA

ZIP:93065-1689

Country:US

Phone:805-581-4000

CAGE:60902

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Composition/Information on Ingredients  
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Ingred Name:CHLORODIFLUOROMETHANE (SARA 313) (CERCLA) (FREON 22)

CAS:75-45-6  
RTECS #:PA6390000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9495  
Ozone Depleting Chemical:2

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL OF HI VAP CONC IS HARMFUL;MAY  
CAUSE HEART IRREG,UNCONSC,DEATH.INTENTIONAL MISUSE CAN BE FATAL.VAP  
REDUCES OXY AVAILAB  
LE FOR BREATH & IS HEAVIER THAN AIR.LIQ CONTACT  
CAN CAUSE FROSTBITE.OVEREXPO OF VAP TEMP CNS DEPRESS  
W/ANANESTHETIC EFFECTS.HIGHER EXPO TEMP ALTERATION OF HEART'S  
ELECTR ACTIVITY W/IRREG PULSE(SUP)  
Explanation of Carcinogenicity:PER MSDS:NOT LISTED AS CARCINOGEN BY  
IARC/NTP./OSHA/ACGIH.  
Effects of Overexposure:HEART IRREGULARITIES,UNCONSCIOUSNESS,  
DEATH.VAPOR REDUCES OXYGEN AVAILABLE FOR BREATH. FROSTBITE. CNS  
DEPRESSION:DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, LO  
SS OF  
CONSCIOUSNESS). EFFECTS ON CNS, LIVER,LUNGS, KIDNEYS, SPLEEN,  
CARDIACSENSITIZATION, DECREASED BODY WT GAIN, PARTIAL ANESTHESIA.  
Medical Cond Aggravated by Exposure:INDIVIDUALS W/PRE-EXISTING DISEASES  
OF CENTRAL NERVOUS OR CARDIOVASCULAR SYSTEM MAY HAVE INCREASED  
SUSCEPTIBILITY TO TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:INHAL:IF LG CONC ARE INHALED IMMED REMOVE TO FRESH AIR.KEEP  
PERSONS CALM.NOT B  
REATH GIVE ART RESP.BREATH DIFFICULT GIVE  
OXY.CALL DR. SKIN:FLUSH W/WATER.TREAT FOR FROSTBITE IF NECESSARY.  
EYE:IMMED FLUS H W/PLENTY OF WATER.CALL DR. INGEST:INGESTION IS NOT  
CONSIDERED A POTENTIAL ROUTE OF EXPOSURE. NOTE TO DR:BECAUSE OF  
POSSIBLE DISTURBANCES OF CARDIAC RHYTHM, CATHECHOLAMINE DRUGS  
(SUPPLEMENTAL)

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

Flash Point Method:TOC  
Flash Point:NONE  
Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES

IN AREA.

EXTINGUISHANT FOR OTHER BURNING MATERIAL IN AREA IS SUFFICIENT TO STOP BURNING.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS (SCBA) IS REQUIRED IF CYLINDERS RUPTURE OR CONTENTS ARE RELEASED UNDER FIRE CONDITIONS. COOL FIRE EXPOSED CNTNRS W/WATERSPRAY

Unusual Fire/Explosion Hazard:USE WATERSPRAY/FOG TO COOL CNTNRS.CYL ARE EQUIPPED W/PRESSURE/TEMP RELIEF DEVICES BUT MAY RUPTURE UNDER FIRE CONDITIONS.DECOMP MAY OCCUR GIVING HAZ/TOXIC BYPROD

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

Spill Release Procedures:VENTILATE AREA ESPECIALLY LOW PLACES WHERE HEAVY VAP MIGHT COLLECT.REMOVE OPN FLAMES.USE SELF-CONTAINED BREATHING APPARATUS(SCBA)FOR LG SPILLS/RELEASES.PRODUCT HIGHLY VOLATILE RAPIDLY EVAPORATES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN CLEAN,DRY ARA OUT OF DIRECT SUNLIGHT AWA

Y FRM HIGH TEMP,OPN FLAMES,INCOMPATIBLES.STORE @TEMP UNDER 120F.

Other Precautions:AVOID BREATHING VAP & LIQ CONTACT W/SKIN/EYE.USE W/SUFFICIENT VENTILATIN TO KEEP EMPLOYEE EXPOSURE BELOW RECOMMENDED LIMITS.

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

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS NO RESP PROTECTION IS REQUIRED WHEN USING THIS PRODUCT. SELF-CONTAINED BREATHING APPARATUS (SCBA) IS REQUIRED IF A LARGE RELEASE OCCURS.

Vent

ilation:NORMAL VENTI:STD MFG PROCEDURES GENERALLY ADEQUATE.LOC EXHAU:USED WHEN LG AMTS ARE RELEASED.MECH VENTI:USED IN LOW PLACE

Protective Gloves:LINED BUTYL GLOVES.

Eye Protection:CHEM SPLASH,GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:GENERAL HYGIENIC PRACTICES INCLUDE WASHING HANDS W/SOAP/WATER AFT USE/BEF EATING/DRINKING/SMOKING.

Supplemental Safety and Health

DECOMP PROD:CARBONYL HALIDES. HEALTH HAZ:PALPITATINS,INADEQUATE CIRCULAT

ION,FATALITY FRM GROSS OVEREXPO.FROSTBITE FRM SKIN CONTACT  
W/LIQ. 1STAID:(SUCH AS EPINEPHRINE)SHOUD BE USED W/SPECIAL CAUTION  
I N SITUATIONS OF EMERG LIFE SUPPORT.

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

HCC:G3

Boiling Pt:=-40.6C, -41.F

Decomp Temp:=-632.2C, 1170.F

Vapor Pres:7046

Vapor Density:3.03 @25C

Spec Gravity:1.194

Evaporation Rate & Reference:>1, CCL4=1

Solubility in Water:0.30% @25C

Appearance and Odor:CLEAR, COLORLESS LIQUID GAS, SLIGHT ETHER  
EAL.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS-POWDERED AL, ZN, BE, ETC.

Stability Condition to Avoid:AVOID OPEN FLAMES & HIGH TEMPERATURES,  
CONTACT W/HOT (GLOWING) METAL SURFACES, ETC.

Hazardous Decomposition Products:CAN BE DECOMP BY HIGH TEMP(OPN  
FLAMES,GLOWING METAL SURFACES,ETC)FORMING HYDROCHLORIC &  
HYDROFLUORIC ACIDS-POSSIBLY(SUP)

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

Waste Disposal Methods:COMPLY W/LOCAL, STATE AND FEDERAL REGULATIONS.

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