

PERFECT DATA CORPORATION -- 550028-11 TF SOLUTION/CLEANING SOLUTION --
6850-00-105-3084

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

Product ID:550028-11 TF SOLUTION/CLEANING SOLUTION
MSDS Date:04/01/1991
FSC:6850
NIIN:00-105-3084
MSDS Number: BPYCJ
=== Responsible Party ===
Company Name:PERFECT DATA CORPORATION
Address:1825 SURVEYOR AVENUE
City:SIMI VALLEY
State:CA
ZIP:93063
Country:US
Info Phone Num:805-581-4000
Emergency Phone Num:805-581-4000(CHEMTREC 800-424-9300)

CAGE:PERFE
=== Contractor Identification ===
Company Name:PERFECT DATA CORP
Address:110 WEST EARY STREET
Box:City:SIMI VALLEY
State:CA
ZIP:93065-1889
Country:US
Phone:805-521-4000
CAGE:PERFE
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

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

Ingred Name:1,1,2-TRICHLORO-

1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9293

Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:ORAL LD50 (RAT) 43000 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION OF VE
RY HIGH

CONCENTRATIONS MAY CAUSE ASPHYXIATION. SWALLOWING MAY CAUSE GI
TRACT IRRITATION. CONTACT WITH EYES MAY CAUSE MINOR IRRITATION.
SKIN CONTACT MAY CAUSE DEFATTING OR IRRITATION. CHRONIC: PROLONGED
OR REPEATED INHALATION MAY CAUSE LIGHTHEADEDNESS, GIDDINESS,
NARCOSIS, UNCONSCIOUSNESS, DEATH.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALED: LIGHTHEADEDNESS, GIDDINESS, SHORTNESS
OF BREATH, NARCOSIS, UNCONSCIOUSNESS, DEATH. EYES: REDNESS,
DISCOMF

ORT. SKIN: DRYNESS, REDNESS, DISCOMFORT. INGESTED: NAUSEA,
VOMITING.

Medical Cond Aggravated by Exposure:CARDIOVASCULAR DISEASES MAY BE
AGGRAVATED BY EXPOSURE.

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

First Aid:INHALED: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF
BREATHING STOPPED. GET IMMEDIATE MEDICAL ATTENTION. EYES: FLUSH
WITH WATER FOR 15 MINUTES, HOLD LIDS OPEN. GET IMMEDIATE MEDICAL
ATTENTION. SKIN: FLUSH WITH WATER. SEE DOCTOR IF SYMPTOMS PERSIST.

INGESTED: DO NOT INDUCE VOMITING! GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.

EXTINGUISH SOURCES OF IGNITION; PRODUCT DECOMPOSES UNDER HEAT TO
TOXIC/HAZARDOUS VAPORS/FUMES.

Unusual Fire/Explosion Hazard:DECOMPOSES UNDER HIGH TEMPERATURES TO
TOXIC/HAZARDOUS HYDROCHL

ORIC AND HYDROFLUORIC ACIDS.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE CLOTHING. REMOVE ALL OPEN FLAMES. MOP OR WIPE UP, PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FOM SOURCES OF OPEN FLAME, DIRECT SUNLIGHT, OR

TEMPERATURES ABOVE 120F.

Other Precautions:DO NOT CUT, GRIND, WELD, OR DRILL NEAR THIS CONTAINER.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR CONDITIONS WARRANT; USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR SUPPLIED AIR RESPIRATOR, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:RUBBER

Eye Protection:SAFE

TY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. CLOTHING TO PREVENT PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

DO NOT WEAR CONTACT WHEN USING THIS MATERIAL.

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

HCC:V2

Boiling Pt:=47.8C, 118.F

Melt/Freeze Pt:=-.6C, 31.F

Vapor Pres:334 MM HG

Vapor Density:2.9(AIR=1)

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Specific Gravity:1.57 (WATER=1)

Evaporation Rate & Reference:>1 (CCL4=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID; SLIGHT ETHERAL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALIS, OXIDIZING AGENTS, WATER AND MOIST AIR, ALKALINE EARTH METALS,
POWDERED ALUMINUM AND ZINC.

Stability Condition to Avoid:OPEN FLAMES, WELDING ARCS, OR OTHER HIGH
TEMPERATURES WHICH

CAUSE THERMAL DECOMPOSITION.

Hazardous Decomposition Products:OXIDES OF CARBON, HYDROGEN CHLORIDE,
CHLORINE, PHOSGENE, HYDROGEN FLUORIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. DO NOT INCINERATE OR PUNCTURE AEROSOL CANS.

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