

MATERIAL SAFETY DATA SHEET

SECTION 1

PRECISION CONVERTING
6650 CONCORD PARK DRIVE
HOUSTON, TX 77040
713-934-1650
1-800-281-2307

EMERGENCY RESPONSE 1-800-424-9300

PRODUCT NAME: PC-2000
CHEMICAL NAME AND SYNONYMS: PREDRY PURGE COMPOUND
FORMULA: CH₂FCF₃
COMPOSITION: PREDRY PURGE COMPOUND WITH CFC SOLVENTS OR PROPELLANTS

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF SOLIDS, LIQUIDS, OR GASES	CAS #
ETHANE, 1,1,1,2 – TETRAFLUORO	811-97-2-100

SECTION 3 – PHYSICAL DATA

BOILING POINT (°F)	-15.7 °F
VAP. PRESS. (MM HG) @ 77°F	96 PSIA
VAPOR DENSITY (AIR = 1) @ 77°F	3.6
SOLUBILITY IN WATER - %	0.15
PERCENT VOLATILE BY WT. (%)	100
APPEARANCE	COLORLESS
FORM	LIQUEFIED GAS
ODOR	ETHER (SLIGHT)
LIQUID DENSITY @ 77°F	1.21 G/CM ³

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY: THIS PRODUCT IS NOT FLAMMABLE AT AMBIENT TEMPERATURES AND ATMOSPHERIC PRESSURE

EXTINGUISHING MEDIA: USE MEDIA APPROPRIATE FOR SURROUNDING MATERIAL

FLASH POINT OF INGREDIENTS: WILL NOT BURN

FLAMMABLE LIMITS: LEL: N/A
UEL: N/A
AUTOIGNITION: >1369°F

SPECIAL FIRE FIGHTING PROCEDURES: COOL TANK CONTAINER WITH WATER SPRAY. SELF CONTAINED BREATHING APPARATUS (SCBA) MAY BE REQUIRED IF CYLINDERS RUPTURE OR RELEASE UNDER FIRE CONDITIONS.

UNUSUAL FIRE AND EXPLOSION HAZARD: TEMPERATURE OF CAN SHOULD NOT EXCEED 120°F. EXCESSIVE PRESSURE CAN CAUSE CAN TO BURST.

HAZARDOUS DECOMPOSITION PRODUCTS: IF EXPOSED TO A FIRE, THE INGREDIENTS WILL DECOMPOSE TO WATER, CARBON DIOXIDE, CARBON MONOXIDE, HALOGEN ACIDS, AND SMALL AMOUNTS OF CARBONYL HALIDES SUCH AS PHOSGENE. THE HCFC 141B BEGINS TO DECOMPOSE AT 480 TO 500°F.

SECTION 5 – REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: AVOID OPEN FLAMES AND HIGH TEMPERATURES

INCOMPATIBILITY: INCOMPATIBLE WITH ALKALI OR ALKALINE EARTH METALS – POWDERED AL, ZN, BE, ETC.

HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSITION PRODUCTS ARE HAZARDOUS. THIS MATERIAL CAN BE DECOMPOSED AT HIGH TEMPERATURES (OPEN FLAMES, GLOWING METAL SURFACES, ETC.) FORMING HYDROFLUORIC ACID AND POSSIBLY CARBONYL FLUORIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 6 – HEALTH HAZARD DATA

EYE CONTACT: FROSTBITE-LIKE EFFECTS MAY OCCUR IF THE LIQUID OR ESCAPING VAPORS CONTACT THE EYE

SKIN CONTACT: FROSTBITE-LIKE EFFECTS MAY OCCUR IF THE LIQUID OR ESCAPING VAPORS CONTACT THE SKIN

INHALATION: GROSS OVEREXPOSURE MAY CAUSE: CENTRAL NERVOUS SYSTEM DEPRESSION WITH DIZZINESS, CONFUSION, INCOORDINATION, DROWSINESS, OR UNCONSCIOUSNESS. IRREGULAR HEART BEAT WITH A STRANGE SENSATION IN THE CHEST, “HEART – THUMPING;” APPREHENSION, LIGHTHEADEDNESS, FEELING OF FAINTING, DIZZINESS, WEAKNESS, SOMETIMES PROGRESSING TO LOSS OF CONCIIOUSNESS AND DEATH. SUFFOCATION IF AIR IS DISPLACED BY VAPORS

ACUTE OR CHRONIC HEALTH HAZARDS: THIS PRODUCT DOES NOT CONTAIN INGREDIENTS LISTED AS CARCINOGENS BY IARC, NTP, OR OSHA

SECTION 7 – FIRST AID PROCEDURES

EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN

SKIN: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE. TREAT FOR FROSTBITE IF NECESSARY BY GENTLY WARMING AFFECTED AREA.

INGESTION: NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE

INHALATION: IF HIGH CONCENTRATIONS ARE INHALED, IMMEDIATELY REMOVE TO FRESH AIR. KEEP PERSON CALM. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

SECTION 8 – SPILL, LEAK, AND DISPOSAL PROCEDURES

SAFEGUARDS: VENTILATE AREA, ESPECIALLY LOW OR ENCLOSED PLACES WHERE HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES. USE SELF-CONTAINED BREATHING APPARATUS IF LARGE SPILL OR LEAK OCCURS

SECTION 9 – HANDLING INFORMATION

VENTILATION: USE WITH SUFFICIENT VENTILATION TO KEEP EMPLOYEE EXPOSURE BELOW RECOMMENDED LIMITS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: SHOULD NOT BE MIXED WITH AIR FOR LEAK TESTING OR USED FOR ANY OTHER PURPOSE ABOVE ATMOSPHERIC PRESSURE. CONTACT WITH CHLORINE OR OTHER STRONG OXIDIZING AGENTS SHOULD ALSO BE AVOIDED. STORE IN A CLEAN, DRY PLACE. DO NOT HEAT ABOVE 128°F

OTHER PRECAUTIONS: WHEN SPRAYING MORE THAN ONE HALF CAN CONTINUOUSLY OR MORE THAN ONE CAN CONSECUTIVELY, BE SURE THERE IS ADEQUATE VENTILATION TO PREVENT CONCENTRATION OF VAPORS FROM EXCEEDING TLV LIMITS.

HAZARDOUS TRANSPORTATION DATA:

PROPER SHIPPING NAME	1,1,1,2 – TETRAFLUOROETHANE
HAZARD CLASS	3.2
UN NO.	3159
DOT/IMO LABEL	NONFLAMMABLE GAS
SHIPPING CONTAINERS	TANK CARS, TANK TRUCKS, TON TANKS, CYLINDERS