

MICRO CARE CHEMICAL CORP -- MCC-PC2 PRECISION CLEANER II -- 6850-01-411-7394

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Product Identification  
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Product ID:MCC-PC2 PRECISION CLEANER II

MSDS Date:05/25/1999

FSC:6850

NIIN:01-411-7394

Status Code:A

MSDS Number: CJMSN

=== Responsible Party ===

Company Name:MICRO CARE CHEMICAL CORP

Address:34 RONZO RD

City:BRISTOL

State:CT

ZIP:06010-5000

Country:US

Info Phone Num:203-585-7912

Emergen

cy Phone Num:203-585-7912

Chemtrec Ind/Phone:(800)424-9300

CAGE:0ATV9

=== Contractor Identification ===

Company Name:DYNAMIC CHEMICALS INC

Address:415 LAWRENCE BELL DRIVE SUITE 5

Box:City:BUFFALO

State:NY

ZIP:14221

Country:US

Phone:716-633-0361

Contract Num:SP0450-99-M-NC73

CAGE:0VZV9

Company Name:MICRO CARE CHEMICAL CORPORATION

Address:34 RONZO ROAD

Box:City:BRISTOL

State:CT

ZIP:06010

Country:US

Phone:860-585-7912

CAGE:0ATV9

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Composition/Information on Ingredients  
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Ingred Name:1,1,1,2-TETRAFLUOROETHANE (R134A)

CAS:811-97-2

= Wt:15.

ACGIH TLV:1000 PPM

Ingred Name:1,1-DICHLORO-1-FLUOROETHANE, FREON 141

CAS:1717-00-6

RTECS #:KI0997000

= Wt:17.

Ozone Depleting Chemical:2

Ingred Name:PERFLUORO COMPOUNDS, C5-18

CAS:86508-42-1

= Wt:61.

Ingred Name:PENTANE, N-PENTANE

CAS:109-66-0

RTECS #:RZ9450000

= Wt:7.

Other REC Limits:600 PPM

OSHA PEL:2950 MG/CUM

ACGIH TLV:600 PPM

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

LD50 LC50 Mixture:NONE

SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:INHALATION: AT LOW CONCENTRATIONS;

DROWSINESS, FLUSHING, HEADACHE, DIZZINESS, LOSS OF CONCENTRATION,

NAUSEA, IRRITATION, INTOXICATION, CARDIAC ARRHYTHMIA. VAPORS

DISPLACE AIR & CAN CAUSE ASPHYXIATION. ORAL: SIMILAR TO

INHALATION. SKIN: DEFATTING OF SKIN CAN CAUSE IRRITATION. NO

ABSORPTION TOXICITY DATA IS AVA

ILABLE. EYES: LIQUID CONTACT WILL

IRRITATE EYES & MAY CAUSE CONJUNCTIVITIS. VAPOR CONTACT MAY CAUSE

MILD IRRITATION.

Explanation of Carcinogenicity:THE COMPONENTS OF PRECISION CLEANER II

ARE NOT LISTED AS CARCINOGENS BY NTP, IARC OR OSHA.

Effects of Overexposure:INHALATION: DROWSINESS, FLUSHING, HEADACHE,

DIZZINESS, LOSS OF CONCENTRATION, NAUSEA, IRRITATION, INTOXICATION,

CARDIAC ARRHYTHMIA. ORAL: SIMILAR TO INHALATION. SKIN: IRRITATION.

EYES: IRRITATION, CONJUNCTIVITIS

TIS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR, DO NOT GIVE EPINEPHRINE. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. CALL PHYSICIAN. EYES & SKIN: FLUSH WITH WATER 15 MINUTES, LIFT LIDS OCCASIONALLY. IF IRRITATION PER SISTS, CALL PHYSICIAN. SKIN: WASH PROMPTLY WITH SOAP & WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING & SHOES. I

NGESTED: IF CONSCIOUS, GIVE 2-4 GLASSES WATER & INDUCE VOMITING. DO NOT GIV E STIMULANTS. CONTACT PHYSICIAN IMMEDIATELY.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:CARBON DIOXIDE (CO2), DRY CHEMICAL, WATER.

Fire Fighting Procedures:USE WATER SPRAY TO KEEP CONTAINERS COOL. WEAR A NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS, PROPER EYE & SKIN PROTECTION.

Unusual Fire/Explosion Hazard:CONTAINERS GENERATE PRESSURE WHEN HEATED

CAUSING VIOLENT BURSTING & DANGEROUS PROPELLING OF CONTAINER. FORMS TOXIC DECOMPOSITION PRODUCTS >250F.

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

Spill Release Procedures:EVACUATE AREA. ABSORB SPILLED MATERIAL WITH COMMERCIAL, NON-FLAMMABLE ABSORBENT, IE SAND, VERMICULITE. REMOVE UNPROTECTED PERSONNEL. REMOVE IGNITION SOURCES & SHUT OFF FIRE SOURCES. PROVIDE VENTILATION . WITH SPARK-PROOF SHOVEL, SCOOP INTO DRUMS & CLOSE. DO NOT

FLUSH TO SEWER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID BREATHING VAPORS. USE ONLY WITH ADEQUATE VENTILATION. AVOID LIGHTED CIGARETTES, FLAME, WELDING OR HOT SPOTS WHICH MAY GENERATE TOXIC DECOMPOSITION PRODUCTS. VAPORS ARE HEAVY & MAY CONCENTRATE IN LOW, POORLY VENTILATED AREAS.

Other Precautions:PERSONS WEARING CONTACT LENSES SHOULD WEAR CHEMICAL PROTECTIVE

## SAFETY GLASSES WHEN USING THIS PRODUCT.

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

Respiratory Protection:NONE REQUIRED IN VENTILATED WORK AREAS. WEAR A NIOSH APPROVED SELF-CONTAINED/AIR-SUPPLIED RESPIRATOR FOR EMERGENCIES & IN SITUATIONS WHERE AIR MAY BE DISPLACED BY VAPORS.  
Ventilation:MECHANICAL (GENERAL): ADEQUATE FOR STORAGE. LCOAL EXHAUST: FOR POORLY VENTILATED WORK AREAS.  
Protective Gloves:NEOPRENE  
Eye Protection:CHEMICAL PROTECTIVE SAFETY GLASSES  
Other Protective Equipment:POLYVINYL ALCOHOL/NEOPRENE CLOTHING FOR PROLONGED/REPEATED CONTACT  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:V2  
Decomp Temp:>248.9C, 480.F  
Vapor Pres:36 PSIG @70F  
Vapor Density:>1  
Evaporation Rate & Reference:(ETHER = 1): >1  
Solubility in Water:SLIGHT  
Appearance and Odor:COLORLESS LIQUID W/ETHEREAL & FAINT SWEET ODOR.  
Percent Volatiles by Volume:10

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS & ALKALIS, REACTIVE METALS (POWDERED ALUMINUM, SODIUM, POTASSIUM, CALCIUM, MAGNESIUM, ZINC, MOLTEN ALUMINUM, BARIUM & LITHIUM SHAVINGS), STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:HEAT WILL DECOMPOSE THIS MATERIAL ABOVE 480F/250C.  
Hazardous Decomposition Products:HYDROCHLORIC & HYDROFLUORIC ACIDS, CARBONYL HA

LIDES SUCH AS PHOSGENE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE & LOCAL REGULATIONS.  
CONSULT APPROPRIATE REGULATORY AGENCY  
PRIOR TO DISPOSAL OR  
DISCHARGE OF WASTE MATERIAL.

===== MSDS Transport Information =====

Transport Information:NONE SPECIFIED BY MANUFACTURER.

===== Regulatory Information =====

SARA Title III Information:NONE SPECIFIED BY MANUFACTURER.  
Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.  
State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

===== Other Information =====

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