

## **FREON 500**

### **MSDS Number**

BBKPS

### **National Stock Number**

6850-00F002270

### **Product Name**

FREON 500

### **Manufacturer**

EI DUPONT AUTOMOTIVE PRODS DEPT

### **Product Identification**

Product ID: FREON 500  
MSDS Date: 10/01/1985  
FSC: 6850  
NIIN: 00F002270  
MSDS Number: BBKPS

### **Responsible Party**

EI DUPONT/AUTOMOTIVE PRODS DEPT  
1007 MARKET ST BRANDYWINE BLDG 3332  
WILMINGTON , DE 19898  
US

Emergency Phone: 800-441-3637

Info Phone: 800-441-7515

Preparer: T D ARMSTRONG

Cage: EO478

### **Contractor**

EI DUPONT/AUTOMOTIVE PRODS DEPT  
WILMINGTON, DE 19898  
US

(800) 441-7515

Cage: EO478

### **Ingredients**

DICHLORODIFLUOROMETHANE, FREON 12

CAS: 75-71-8

RTECS: PA8200000

Fraction By Weight: 73.8%

OSHA PEL4950 MG/CUM

ACGIH TLV: 4950 MG/CUM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

DIFLUOROETHANE (1,1-DIFLUOROETHANE)

CAS: 75-37-6

RTECS: KI1410000

Fraction By Weight: 26.2%

## Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABILITY. LIQUID CONTACT CAN CAUSE FROSTBITE.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:INHALATION: LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS, OR DEATH. SKIN/EYES: FROSTBITE.  
Medical Cond Aggravated by Exposure:CARDIOVASCULAR DISEASE.

## First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. DON'T GIVE EPINEPHRINE OR SIMILAR DRUGS. EYES: FLUSH W/WATER. CALL PHYSICIAN IF FROSTBITE OCCURS. SKIN: FLUSH W/WATER. TREAT FOR FROSTBITE IF NECESSARY. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point Method:TOC  
Flash Point:NONE  
Extinguishing Media:NON FLAMMABLE  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS IF CYLINDERS RUPTURE OR RELEASE UNDER FIRE CONDITIONS.  
Unusual Fire/Explosion Hazard:CYLINDERS ARE EQUIPPED W/PRESSURE & TEMPERATURE RELIEF DEVICES BUT STILL MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

## Accidental Release

Spill Release Procedures:VENTILATE AREA, ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES. WEAR SELF-CONTAINED BREATHING APPARATUS IF A SPILL OCCURS.

## Handling

Handling and Storage Precautions:AVOID BREATHING VAPORS & LIQUID CONTACT W/SKIN OR EYES. USE ONLY IN WELL VENTILATED AREA. STORE IN CLEAN, DRY AREA. DON'T HEAT >125F.

## Exposure Controls

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT.  
Ventilation:LOCAL EXHAUST: WHEN LARGE AMOUNTS ARE RELEASED. MECHANICAL: IN LOW PLACES. NORMAL FOR STANDARD PROCEDURES.  
Protective Gloves:LINED NEOPRENE  
Eye Protection:CHEMICAL SPLASH GOGGLES  
Other Protective Equipment:N/K

## Supplemental Safety and Health

NOTE TO PHYSICIAN: BECAUSE OF A POSSIBLE INCREASED RISK OF ELICITING CARDIAC DYSRHYTHMIAS, CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD BE CONSIDERED ONLY AS A LAST RESORT IN LIFE THREATENING EMERG ENCIES.

## Chemical Properties

HCC:G3  
Boiling Pt:B.P. Text:-28.0F  
Vapor Pres:97 PSIG  
Vapor Density:3.7  
Spec Gravity:1.158  
Solubility in Water:Appearance and Odor:COLORLESS, CLEAR LIQUIDIED GAS, SLIGHT ETHEREAL ODOR.  
Percent Volatiles by Volume:100

## Stability

Stability Indicator/Materials to Avoid: YES  
ALKALI/ALKALINE EARTH METALS - POWDERED ALUMINUM, ZINC, BERYLLIUM,  
GLOWING METAL SURFACES  
Stability Condition to Avoid: OPEN FLAMES OR HIGH TEMPERATURES  
Hazardous Decomposition Products: HYDROCHLORIC & HYDROFLUORIC ACIDS,  
POSSIBLE CARBONYL HALIDES

## **Disposal**

Waste Disposal Methods: COMPLY W/ FEDERAL, STATE, & LOCAL REGULATIONS, OR  
REMOVE TO PERMITTED WASTE DISPOSAL FACILITY. RECLAIM BY  
DISTILLATION. UN1078. UN2602.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.