

## **"DYMEL" 22 AEROSOL PROPELLANT**

### **MSDS Number**

BKJVS

### **National Stock Number**

6350-01-231-4190

### **Product Name**

"DYMEL" 22 AEROSOL PROPELLANT

### **Manufacturer**

DU PONT E I DE NEMOURS AND CO

### **Product Identification**

Product ID:"DYMEL" 22 AEROSOL PROPELLANT

MSDS Date:08/26/1991

FSC:6350

NIIN:01-231-4190

MSDS Number: BKJVS

### **Responsible Party**

DU PONT E I DE NEMOURS & CO

1007 MARKET ST

WILMINGTON , DE 19899

US

Emergency Phone: 800-441-7515

Info Phone: 800-441-7515

Preparer: W.J. BROCK

Cage: 0BA38

### **Contractor**

PRECISION CABLE MFG CO INC

1448

ROCKWALL, TX 75087-1448

US

972-771-1233

Cage: 54840

### **Ingredients**

METHANE, CHLORODIFLUORO- ("DYMEL" 22)

CAS: 75-45-6

RTECS: PA6390000

Fraction By Weight: 100%

OSHA PEL1000 PPM

ACGIH TLV: 1000PPM; 9192

### **Hazards**

LD50 LC50 Mixture:INHALATION LC50 (RAT) IS 220,000 PPM

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

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

Health Hazards Acute and Chronic:INHALATION OF HIGH CONCENTRATIONS OF VAPOR IS HARMFUL & MAY CAUSE HEART IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. INTENTIONAL MISUSE OR DELIBERATE INHALATION MAY CAUSE

DEATH WITHOUT WARNING. VAPOR REDUCES OXYGEN AVAILABLE FOR BREATHING & IS HEAVIER THAN AIR. LIQUID CONTACT CAN CAUSE FROSTBITE.

Explanation of Carcinogenicity: NONE OF THE COMPONENTS IN THIS MATERIAL IS LISTED BY IARC, NTP OR OSHA OR ACGIH AS A CARCINOGEN.

Effects of Overexposure: OVEREXPOSURE TO THE VAPORS BY INHALATION MAY INCLUDE TEMPORARY NERVOUS SYSTEM DEPRESSION WITH ANESTHETIC EFFECTS SUCH AS DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION & LOSS OF CONSCIOUSNESS. HIGHER EXPOSURE MAY CAUSE TEMPORARY ALTERATION OF THE HEARTS ELECTRICAL ACTIVITY WITH IRREGULAR PULSE OR INADEQUATE CIRCULATION

Medical Condition Aggravated by Exposure: INDIVIDUALS WITH PREEXISTING DISEASE OF THE CENTRAL NERVOUS OR CARDIOVASCULAR SYSTEM MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE. SKIN CONTACT MAY CAUSE FROSTBITE.

## First Aid

First Aid: INHALATION-IF LARGE CONCENTRATIONS ARE INHALED, IMMEDIATELY REMOVE TO FRESH AIR. KEEP PERSON CALM. IF NOT BREATHING, GIVE CPR. IF BREATHING IS HARD, GIVE OXYGEN. CALL PHYSICIAN. SKIN-FLUSH WITH WATER FOR 15 MIN. TREAT FOR FROSTBITE IF NEEDED BY GENTLY WARMING AFFECTED AREA. CALL A PHYSICIAN IF IRRITATION IS PRESENT. EYE-IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MIN. CALL A PHYSICIAN.

## Fire Fighting

Flash Point Method: TOC

Flash Point: NONE

Autoignition Temp: Autoignition Temp Text: 632C

Lower Limits: NONE

Upper Limits: NONE

Extinguishing Media: AS APPROPRIATE FOR COMBUSTIBLES IN AREA. EXTINGUISH FOR OTHER BURNING MATERIAL IN AREA IS SUFFICIENT TO STOP BURNING.

Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF CYLINDERS RUPTURE OR CONTENTS ARE RELEASED UNDER FIRE CONDITIONS.

Unusual Fire/Explosion Hazard: NO INFORMATION AVAILABLE.

## Accidental Release

Spill Release Procedures: VENTILATE AREA - ESPECIALLY LOW PLACES WHERE HEAVY VAPOR MIGHT COLLECT. REMOVE OPEN FLAMES. USE SELF-CONTAINED BREATHING APPARATUS FOR LARGE SPILLS OR RELEASES.

Neutralizing Agent: NONE

## Handling

Handling and Storage Precautions: CLEAN, DRY AREA. DO NOT HEAT ABOVE 125 DEG F.

Other Precautions: AVOID BREATHING VAPORS AND LIQUID CONTACT WITH SKIN OR EYES. USE WITH SUFFICIENT VENTILATION TO KEEP EMPLOYEES EXPOSURE BELOW RECOMMENDED LIMITS.

## Exposure Controls

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

Ventilation: NORMAL VENTILATION FOR STANDARD PROCEDURES IS GENERALLY ADEQUATE. USE LOCAL EXHAUST WHEN LARGE AMOUNTS ARE RELEASED.

Protective Gloves: IMPERVIOUS GLOVES SHOULD BE USED.

Eye Protection: CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices: WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST.

Supplemental Safety and Health

"DYMEL 22" SHOULD NOT BE MIXED WITH AIR FOR LEAK TESTING. IN GENERAL, IT SHOULD NOT BE USED OR ALLOWED TO BE PRESENT IN HIGH

CONCENTRATIONS OF AIR ABOVE ATMOSPHERIC PRESSURE.

## Chemical Properties

HCC:G3

Boiling Pt:B.P. Text:-41F,-41C

Melt/Freeze Pt:M.P/F.P Text:NONE

Vapor Pres:151 PSIG

Vapor Density:3.03

Spec Gravity:1.194 G/CC

pH:NEUTRL

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

Appearance and Odor:COLORLESS LIQUEFIED GAS - SLIGHT ETHEREAL ODOR

Percent Volatiles by Volume:100

## Stability

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH ALKALI OR ALKALINE EARTH METALS, POWDERED ALUMINUM, ZINC, BERYLLIUM, ETC.

Stability Condition to Avoid:MATERIAL IS STABLE. HOWEVER, AVOID HIGH TEMPERATURES AND OPEN FLAMES.

Hazardous Decomposition Products:MAY DECOMPOSE TO FORM HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE, HYDROGEN FLUORIDE & POSSIBLY CARBONYL HALIDES.

## Disposal

Waste Disposal Methods:RECLAIM BY DISTILLATION. COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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