

## **FREEKOTE 33 AEROSOL**

### **MSDS Number**

BHWXW

### **National Stock Number**

3680-01-101-3999

### **Product Name**

FREEKOTE 33 AEROSOL

### **Manufacturer**

DEXTER CORP HYSOL DIV

### **Product Identification**

Product ID:FREEKOTE 33 AEROSOL

MSDS Date:04/20/1990

FSC:3680

NIIN:01-101-3999

MSDS Number: BHWXW

### **Responsible Party**

DEXTER CORP HYSOL DIV

164 FOLLY MILL RD

SEABROOK , NH 03874

US

Emergency Phone: 603-926-0910

Info Phone: 603-474-5541

Preparer: KEN DECOSTA

Cage: 1JB33

### **Contractor**

RUDOLPH BROS AND COMPANY

425

CANAL WINCHESTER, OH 43110

US

614-833-0707

Cage: 6S222

### **Ingredients**

CHLORODIFLUOROMETHANE

CAS: 75-45-6

RTECS: PA6390000

Fraction By Weight: 14.9%

OSHA PEL1000 PPM

ACGIH TLV: 1000PPM; 9192

METHYLENE CHLORIDE (SARA III)

CAS: 75-09-2

RTECS: PA8050000

Fraction By Weight: 26.2%

OSHA PEL500 PPM/C,1000; Z2

ACGIH TLV: 50 PPM, A2; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

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

CAS: 76-13-1

RTECS: KJ4000000

Fraction By Weight: 33.2%

OSHA PEL1000PPM/1250STEL

ACGIH TLV: 1000PPM/1250STEL9192

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 3.4%

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

NAPHTHA, LIGHT ALIPHATIC

CAS: 64742-89-8

Fraction By Weight: 20.7%

PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)

CAS: 127-18-4

RTECS: KX3850000

Fraction By Weight: 0.8%

OSHA PEL100 PPM

ACGIH TLV: 25PPM/100,A3 STEL;94

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:PRODUCT MAY BE IRRITATING TO BODY TISSUES. IT WILL DEFAT & DRY SKIN,POSSIBLY CAUSING DERMATITIS.

EVAPORATION OF THE LIQUID IS MAY COOL TISSUES SUFFICIENTLY TO CAUSE FROSTBITE. VAPOR IS HEAVIER THAN AI R AND CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE FOR BREATHING.

Explanation of Carcinogenicity:PERCHLOROETHYLENE AND METHYLENE CHLORIDE ARE LISTED AS CARCINOGENS. SEE INDIVIDUAL REPORTS FOR DETAILS.

Effects of Overexposure:BREATHING HIGH CONCENTRATIONS OF VAPOR MAY CAUSE LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, AND MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.

CONTACT WITH LIQUID CAN CAUSE DEFATTING OF TISSUE OR FROSTBITE.  
Medical Condition Aggravated by Exposure: PRODUCT IS A DEFATTING AGENT AND  
CAN CAUSE DERMATITIS ON PROLONGED EXPOSURE. PERSONS WITH  
PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS  
OF THIS MATERIAL.

## First Aid

First Aid: EYE: FLUSH W/ WATER 15 MIN HOLD LIDS OPEN SEE A DOCTOR.  
SKIN: WASH WITH SOAP & WATER. TREAT FOR FROST-BITE IF NEEDED.  
INHALED: REMOVE TO FRESH AIR. RESTORE BREATHING, AS NEEDED. DO NOT  
GIVE EPINEPHRINE OR SIMILAR DRUGS. INGESTED: DO NOT INDUCE  
VOMITING. GET IMMEDIATE MEDICAL CARE. IF IRRITATION PERSISTS, OR  
IS SEVERE, SEE A DOCTOR.

## Fire Fighting

Flash Point: NON-FLAMMABLE  
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard: VAPORS ARE HEAVIER THAN AIR AND COLLECT  
IN LOW AREAS, DEPRIVING THOSE ENTERING OF SUFFICIENT OXYGEN.

## Accidental Release

Spill Release Procedures: VENTILATE AREA. DO NOT FLUSH INTO SEWERS.  
COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR  
RECOVERY OR DISPOSAL.  
Neutralizing Agent: NONE

## Handling

Handling and Storage Precautions: STORE BELOW 130 F, IN A CLEAN, DRY AND  
WELL-VENTILATED AREA OF LOW FIRE RISK. PROTECT CONTAINERS FROM  
PHYSICAL DAMAGE.  
Other Precautions: APPLY ALL SAFETY PRECAUTIONS TO EMPTY CONTAINERS AS  
THEY MAY CONTAIN PRODUCT RESIDUES/VAPORS.

## Exposure Controls

Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE  
NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR SELF CONTAINED  
BREATHING APPARATUS IF EXPOSURE IS ABOVE THE TLV/PEL. CARTRIDGE  
RESPIRATORS ARE INADEQUATE. SEE 29 CFR 1910.134 FOR REGULATIONS  
Ventilation: PROVIDE LOCAL EXHAUST AT FILLING ZONES AND OTHER OPERATING  
SPACES WHERE LEAKAGE IS PROBABLE. MECHANICAL FOR OTHER.  
Protective Gloves: LINED BUTYL RUBBER, PVA OR NEOPRENE  
Eye Protection: SAFETY GLASSES OR SPLASH GOGGLES  
Other Protective Equipment: USE IMPERVIOUS CLOTHING IF THERE IS DANGER  
OF REPEATED OR PROLONGED CONTACT WITH LIQUID.  
Work Hygienic Practices: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID  
CONTACT. REMOVE AND WASH CLOTHING PROMPTLY UPON CONTAMINATION.  
Supplemental Safety and Health  
PRODUCT CODE FK3300-AEROSOL. MSDS REVISION NBR 02.

## Chemical Properties

HCC: V2  
Vapor Pressure: 40 PSI  
Specific Gravity: 1.125  
pH: UNKNOWN  
Solubility in Water: SLIGHT  
Appearance and Odor: COLORLESS LIQUID, MILD ODOR  
Percent Volatiles by Volume: 99.2

## Stability

Stability Indicator/Materials to Avoid: YES  
ALKALI AND ALKALINE EARTH METALS AND POWDERED REACTIVE METALS SUCH AS  
AL, ZN, BE  
Stability Condition to Avoid: HIGH TEMPERATURES, AND OPEN FLAMES

Hazardous Decomposition Products:DECOMPOSED BY HIGH TEMPERATURES (OPEN FLAMES, GLOWING METAL SURFACES, ETC.) FORMING HYDROCHLORIC AND HYDROFLUORIC ACIDS.

## Disposal

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER SUGGESTS RECLAMATION BY DISTILLATION OR DISPOSAL BY A PERMITTED FACILITY. DO NOT PUNCTURE OR INCINERATE CANS. DEPRESSURIZE CANS BEFORE DISPOSAL.

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