

DEXTER CORP HYSOL DIV -- FREEKOTE 33 AEROSOL -- 3680-01-101-3999

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Product Identification  
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Product ID:FREEKOTE 33 AEROSOL

MSDS Date:04/20/1990

FSC:3680

NIIN:01-101-3999

MSDS Number: BHWXW

=== Responsible Party ===

Company Name:DEXTER CORP HYSOL DIV

Address:164 FOLLY MILL RD

City:SEABROOK

State:NH

ZIP:03874

Country:US

Info Phone Num:603-474-5541

Emergency Phone Num:603-926-0910

Preparer's

Name:KEN DECOSTA

CAGE:1JB33

=== Contractor Identification ===

Company Name:DEXTER CORP THE HYSOL DIV

Address:1 DEXTER DR

Box:City:SEABROOK

State:NH

ZIP:03874

Country:US

Phone:603-474-5541/FAX: 603-474-5545

CAGE:1JB33

Company Name:RUDOLPH BROS AND COMPANY

Address:960 WALNUT STREET

Box:425

City:CANAL WINCHESTER

State:OH

ZIP:43110

Country:US

Phone:614-833-0707

CAGE:6S222

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Composition/Information on Ingredients  
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Ingred Name:CHLORODIFLUOROMETHANE

CAS:75-45-6

RTECS #:PA6

390000

Fraction by Wt: 14.9%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000PPM; 9192

Ozone Depleting Chemical:2

Ingred Name:METHYLENE CHLORIDE (SARA III)

CAS:75-09-2

RTECS #:PA8050000

Fraction by Wt: 26.2%

Other REC Limits:NONE SPECIFIED

OSHA PEL:500 PPM/C,1000; Z2

ACGIH TLV:50 PPM, A2; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 33.2%

Other REC Limit

s:NONE SPECIFIED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical:1

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 3.4%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:NAPHTHA, LIGHT ALIPHATIC

CAS:64742-89-8

Fraction by Wt: 20.7%

Other REC Limits:400 PPM

Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)

CAS:127-18-4  
RTECS #:KX3850000  
Fraction by Wt: 0.8%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM  
ACGIH TLV:25PPM/100,A3 STEL;94  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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

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.  
EVAP  
ORATION OF THE LIQUID IS MAY COOL TISSUES SUFFICIENTLY TO CAUSE  
FROSTBITE. VAPOR IS HEAVIER THAN AIR 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 Cond 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.

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

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.

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

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 Measures =====

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 and Storage =====

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/Personal Protection =====

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE N

IOSH/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.

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

HCC:V2

Vapor Pres:40 PSI

Spec Gravity:1.125

pH:UNKNON

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS LIQUID, MILD ODOR

Percent Volatiles by Volume:99.

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

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 Considerations =====

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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