

ECOLINK INC -- ECOLINK 2005 CFC-FREE CONTACT CLEANER -- 6850-01-386-8419

=====  
Product Identification  
=====

Product ID:ECOLINK 2005 CFC-FREE CONTACT CLEANER

MSDS Date:03/21/2000

FSC:6850

NIIN:01-386-8419

Status Code:A

MSDS Number: CLGCJ

=== Responsible Party ===

Company Name:ECOLINK INC

Address:1481 ROCK MOUNTAIN BLVD

City:STONE MOUNTAIN

State:GA

ZIP:30083-1505

Country:US

Info Phone Num:800-886

-8240

Emergency Phone Num:800-535-5053

Resp. Party Other MSDS Num.:ECOLINK 2005

CAGE:0WU71

=== Contractor Identification ===

Company Name:ECOLINK INC

Address:1481 ROCK MOUNTAIN BLVD

Box:City:STONE MOUNTAIN

State:GA

ZIP:30083-1505

Country:US

Phone:800-886-8240/770-621-8240

Contract Num:SP0450-01-M-D270

CAGE:0WU71

Company Name:ECOLINK INC

Address:1481 ROCK MOUNTAIN BLVD

Box:City:STONE MOUNTAIN

State:GA

ZIP:30083-1505

Country:US

Phone:800-886-8240/770-621-8240

Contract Num:SP0450-01-M-ZB74

CAGE:0WU

=====  
 ===== Composition/Information on Ingredients =====  
 =====

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

CAS:1717-00-6

RTECS #:KI0997000

= Wt:97.

OSHA PEL:500 PPM

ACGIH TLV:500 PPM

Ozone Depleting Chemical:2

Ingred Name:CARBON DIOXIDE \*\*AEROSOL FORM ONLY

CAS:124-38-9

RTECS #:FF6400000

&lt; Wt:5.

OSHA PEL:5000 PPM

ACGIH TLV:5000 PPM

ACGIH STEL:54000 MG/M3

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

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

Repor

ts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INGESTION: SWALLOWING LARGE AMOUNTS

MAY BE HARMFUL BY CAUSING GASTROINTESTINAL IRRITATION. INHALATION;  
 BREATHING LARGE AMOUNTS MAY BE HARMFUL BY CAUSING NOSE, THROAT  
 RESPIRATORY TRACT IRRITATION. EYES : IRRITANT, LIQUID CONTACT WILL  
 IRRITATE EYES AND MAY CAUSE STINGING, TEARING, AND REDNESS. SKIN OR  
 CONTACT: MAY CAUSE MILD IRRITATION OF REDNESS AND BURNING.

Explanation of Carcinogenicity:NTP-NOT

LISTED. IARC MONOGRAPHS-NONE.

OSHA REGS-NOT REGULATED.

Effects of Overexposure:EYES: MAY CAUE STINGING, TEARING, AND REDNESS.

SKIN OR CONTACT: MAY CAUSE REDNESS AND BURNING.

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

First Aid:INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY. IF INDIVIDUAL  
 IS DROWSY OR UNCONSCIOUS, DO NOT BIVE ANYTHING BY MOUTH; PLACE  
 INDIVIDUAL ON LEFT SIDE WITH HEAD DOWN. CONTACT MEDICAL FACILITY OR  
 POISON C ONTROL CENTER FOR ADVICE

ON WHETHER TO INDUCE VOMITING.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP PERSON WARM AND QUIET. SEEK MEDICAL ATTENTION. EYES: IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: WASH WITH SOAP AND WATER. THOROUGHLY CLEAN CONTAMINATED CLOTHES AND SHOES BEFORE RE-USE. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:NONE

Lower Limits:7.6

Upper Limits:17.7

Extinguishing Media:REGULAR FOAM, WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER. FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL-FACE PIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:AEROSOL CONTAINERS MAY EXPLODE WHEN HEATED ABOVE 130F.

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

Spill Release Procedures:ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD. ELIMINATE ALL IGNITION SOURCES, (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS, ETC. IF RUNOFF OCCURS,

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

Handling and Storage Precautions:SINCE EMPTY CONTAINERS CONTAIN PRODUCT RESIDUE AND MAY BE UNDER PRESSURE, ALL HAZARD PRECAUTIONS GIVEN IN THE MATERIAL SAFETY DATA SHEET MUST BE OBSERVED. ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFER OPERATING CONDITIONS.

Other Precautions:KEEP THIS A

ND ALL CHEMICALS OUT OF THE REACH OF CHILDREN.

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

Respiratory Protection:NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. FOR PROLONGED/CONTINUOUS USE WHERE VAPORS ARE PRESENT, USE NIOSH CERTIFIED ORGANIC VAPOR MASK.

Ventilation:LOCAL EXHAUST/HOOD OR FAN MAY BE USED.

Protective Gloves:BUTYL RUBBER.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Work Hygienic Practices:TREAT THIS CHEMICAL WITH RESPECT AND FOLLOW ALL MSDS INSTRUCTIONS.

Supplemental Safety and Health

PRODUCT NAME: ECOLINK 2005 AEROSOL. SYNONYM: CFC-FREE CONTACT CLEANER (AEROSOL & BULK FORM) MOLECULAR FORMULA: CH<sub>2</sub>CCL<sub>2</sub>F.

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

HCC:V1

Boiling Pt:=32.C, 89.6F

Vapor Pres:10@68F

Vapor Density:4.0

Spec Gravity:1.25

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

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS LIQUID WITH FAINT ETHER LIKE ODOR

Percent Volatiles by Volume:100

=====

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:SOURCES OF IGNITION SUCH AS SPARKS, HOT SPOTS, WELDING FLAMES AND CIGARETTES. IGNITION FLASH MAY RESULT IF CONCENTRATION OF PRODUCT IS IN THE FLAMMABLE RANGE.

Hazardous Decomposition Products:MAY DECOMPOSE TO HYDROGEN CHLORIDE AND/OR HYDROGEN FLUORIDE AT TEMPERATURES ABOVE 100F.

Conditions to Avoid Polymerization:WILL NOT OCCUR

=====  
===== Di

Disposal Considerations =====

Waste Disposal Methods: ECOLINK 2005 AEROSOL IS NOT CONSIDERED A RCRA REGULATED SUBSTANCE. SOILS REMOVED DURING CLEANING MAY AFFECT THE HAZARD CLASSIFICATION OF YOUR WASTE STREAM. IF YOUR WASTE STREAM REMAINS NON-HAZARDOUS (YOU NEED TO CHECK), THE WASTE MAY BE DISPOSED OF JUST LIKE USED OIL (IN MOST STATES). PLEASE CALL US IF YOU NEED ADDITIONAL DISPOSAL INFORMATION.

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

Transport Information: DOT REGULATED: YES. DOT HAZ CLASS: ORM-D. DOT SHIPPING NAME: CONSUMER COMMODITY. DOT NUMBER: NONE LISTED. NOTE: DLA-HMIS STAFF BELIEVES THIS APPLIES ONLY TO AEROSOL FORM OF PRODUCT AND NOT TO THIS NSN, WHICH IS 55 GALLON DRUM.

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

Federal Regulatory Information: ALL MATERIALS IN PRODUCT ARE TSCA LISTED. RCRA REGULATED: NO. CERCLA (SUPERFUND): NOT APPLICABLE.

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

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.