

CRC CHEMICALS U.S.A./CRC INDUSTRIES, INC. -- 2016 CO CONTACT CLEANER AEROSOL --  
6850-01-095-6065

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Product Identification  
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Product ID:2016 CO CONTACT CLEANER AEROSOL  
MSDS Date:08/12/1992  
FSC:6850  
NIIN:01-095-6065  
MSDS Number: BSFRV  
=== Responsible Party ===  
Company Name:CRC CHEMICALS U.S.A./CRC INDUSTRIES, INC.  
Address:885 LOUIS DRIVE  
City:WARMINSTER  
State:PA  
ZIP:18974-2820  
Country:US  
In  
fo Phone Num:215-674-4300  
Emergency Phone Num:215-674-4300  
Preparer's Name:JON BROWN  
CAGE:10136  
=== Contractor Identification ===  
Company Name:CRC INDUSTRIES, INC.  
Address:885 LOUIS DRIVE  
Box:City:WARMINSTER  
State:PA  
ZIP:18974-2820  
Country:US  
Phone:215-674-4300/800-424-9300  
CAGE:10136

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Composition/Information on Ingredients  
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Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA  
313)  
CAS:76-13-1  
RTECS #:KJ4000000  
Fraction by Wt: 75%  
Other REC Limits

:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000PPM/1250STEL9495  
Ozone Depleting Chemical:1

Ingrid Name:CHLORODIFLUOROMETHANE (SARA 313) (CERCLA)  
CAS:75-45-6  
RTECS #:PA6390000  
Fraction by Wt: 25%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9495  
Ozone Depleting Chemical:2

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: SKIN-DEFATTING ACTION, MAY CAUSE DERMATITIS. EYES-MAY IRRITATE EYES. CHRONIC: MAY CAUSE SKIN IRRITATION WITH REPEATED SKIN CONTACT.  
Explanation of Carcinogenicity:NOT CARCINOGENIC.  
Effects of Overexposure:INHALATION-DROWSINESS, LIGHTHEADEDNESS, POSSIBLE CARDIAC ARRHYTHMIAS AT HIGH CONCENTRATIONS.  
Medical Cond Aggravated by Exposure:IMPAIRED CARDIOVASCULAR FUNCTION SUCH AS CARDIAC ARRHYTHMIAS MIGHT BE SENSITIZED BY INHALATION.

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

First Aid:INHALATION-REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. EYES-FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. SKIN-WASH SKIN WITH SOAP AND WATER. INGESTION-INDUCE VOMITING ON THE ADVICE OF A PHYSICIAN.

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

Flash Point Method:TCC  
Flash Point:NONE  
Autoignition Temp:Autoignition Temp Text:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:NO

T NEEDED. DLA-HMIS: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.

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

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

Spill Release Procedures:DUE TO HIGH VOLATILITY MATERIAL EVAPORATES QUICKLY. VENTILATE AREA, EVACUATE PERSONNEL UNTIL CONCENTRATION IS BELOW TLV OR USE BREATHING APPARATUS.

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

Handling and Storage Precautions:STORE IN COOL, DRY AREA.  
Other Precautions:AEROSOL CONTAINERS MAY EXPLODE IF EXPOSED TO TEMPERATURES OVER 130F. VAPORS ARE VERY HEAVY AND WILL COLLECT IN LOW AREAS. OXYGEN WOULD BE DISPLACED ASPHYXIATION COULD RESULT. GOOD VENTILATION IS A MUST FOR LOW AREAS AND CONFINED SPACES.

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS ABOVE TLV.  
Ventilation:MAINTAIN CONCENTRATIONS BELOW TLV.  
Protective Gloves:NEOPRENE.  
Eye Protection:SAFETY GOGGLES.  
Other Protective Equipment:PROTECTIVE CLOTHING ONLY IF THERE IS REPEATED CONTACT.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
NONE.

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

HCC:V2  
Boiling Pt:=47

.8C, 118.F

Melt/Freeze Pt:=-37.8C, -36.F

Vapor Pres:285

Vapor Density:6.5

Spec Gravity:1.57

Evaporation Rate & Reference:0.3 (CARBON TET=1)

Solubility in Water:SLIGHTLY SOLUBLE

Appearance and Odor:COLORLESS LIQUID. (WITHOUT PROPELLANT)

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

POWDERED METALS SUCH AS ALUMINUM, MAGNESIUM, CALCIUM, ZINC.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACT

URER.

Hazardous Decomposition Products:HALOGEN, HALOGEN ACIDS, POSSIBILITY OF PHOSGENE (THERMAL).

===== Disposal Considerations =====

Waste Disposal Methods:ALL USED AND UNUSED PRODUCT SHOULD BE DISPOSED OF IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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