

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

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

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
Inf
o 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 =====

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:NOT

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 ARE A, 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 MUS T FOR LOW AREAS AND CONFINED SPACES.

===== E xposure 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 MANUFACTURER.

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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