

C R C CHEMICALS U.S.A. -- BRAKLEEN (AEROSOL)#5089 -- 6850-01-158-3928

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Product Identification
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Product ID: BRAKLEEN (AEROSOL)#5089

MSDS Date: 01/01/1987

FSC: 6850

NIIN: 01-158-3928

MSDS Number: BGPJX

=== Responsible Party ===

Company Name: C R C CHEMICALS U.S.A.

Address: 885 LOUIS DRIVE

City: WARMINSTER

State: PA

ZIP: 18974-2820

Country: US

Info Phone Num: 215-674-4300

Emergency Phone Num: 215-674-

4300

CAGE: IO004

=== Contractor Identification ===

Company Name: C R C CHEMICALS

Address: 885 LOUIS DR

City: WARMINSTER

State: PA

ZIP: 18974

Country: US

Phone: 215-674-4300

CAGE: IO004

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: METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS: 71-55-6

RTECS #: KJ2975000

Fra

ction by Wt: 89.2%
OSHA PEL:350 PPM/450 STEL
ACGIH TLV:350 PPM/450STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Depleting Chemical:1

Ingred Name:1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III)
CAS:123-91-1
RTECS #:JG8225000
OSHA PEL:S, 100 PPM
ACGIH TLV:S, 25 PPM; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHYL BUTYNOL ,CAS#115-19-5
CAS:115-19-5
RTECS #:ES0810000

Ingred Name:0SEC.BUTYL ALCOHOL CAS#78-92-2 (OSHA PEL 150 PPM)THIS +2&3
CONSTITUTES 6.8%
ACGIH TLV:100 P
PM

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 4.0%
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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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:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY
CAUSE RESPIRATORY IRRITATION,CARDIAC ARRYTH
MIAS(ABOVE 8000PPM) AND
CNS EFFECTS.CHRONIC:MAY DAMAGE LIV ER AND KIDNEYS.
Explanation of Carcinogenicity:1,4 DIOXANE IS IARC-2B/NTP-AC/EPA-B2.
Effects of Overexposure:INHAL:HEADACHE,DIZZINESS,ANESTHESIA,
UNCONSCIOUSNESS.EYES:PAIN SKIN:IRRITATION.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING HEART
ARRYTHMIAS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH W

ITH WATER.EYES:FLUSH

WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMP T QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,RINSE MOUTH.

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

Flash Point:NONE

Lower Limits:7.0

Upper Limits:15.5

Extinguishing Media:WATER FOG,CO2,FOAM,DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQU

IPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:AEROSOL CAN MAY EXPLODE IF THEIR TEMP. EXCEEDS 130F

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

Spill Release Procedures:USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.WASH SPILL AREA TO REMOVE SL IPPINES

S.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN COOL DRY AND WELL VENTILATED AREA.KEEP AWAY FROM HEAT,OPEN FLAMES.

Other Precautions:AVOID CONTACT WITH EYES & SKIN.DO NOT BREATHE VAPORS. WASH THOROUGHLY AFTER EACH USE.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH /MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:SOLVENT RESISTE

Eye Protection:SAFETY/CHEM GOGGLES

Other Protective Equipment:FULL WORK CLOTHING TO PREVENT REPEATED OR PROLONGED CONTACT.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health
MSDS

REVISED DATE:APRIL 10,1987;PHYSICAL PROPERTIES ARE OF
LIQUID(MIXTURE)BEFORE FILLING INTO AEROSOL CANS;CHRONIC OVER
EXP:MAY CAUSE LIVER AND KIDNEY EFFECTS.8000 PPM LEVEL:CARDIAC
ARRHYMIAS

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

HCC:V2

Boiling Pt:B.P. Text:164F,73C

Vapor Pres:73

Vapor Density:4.16

Spec Gravity:1.293

Evaporation Rate & Reference:RAPID

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS LIQUID-IRRITATING ODOR AT HIGH CONCENTRA
Pe

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALUMINUM AND/OR ZINC POWDER

Stability Condition to Avoid:OPEN FLAMES,ARCS,HIGH TEMPERATURES

Hazardous Decomposition Products:THERMAL-HCL,CL2,SOME PHOSGENE

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

Waste Disposal Methods:DO NOT INCINERATE;DISPOSE OF COLLECTED MATERIAL
IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

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