

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

Product ID:DEGREASER AND BRAKE CLEANER, MSDS51A

MSDS Date:02/05/1991

FSC:6850

NIIN:01-244-9614

MSDS Number: BMDWF

=== 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 Identifi

cation ===

Company Name:BAYTOWN SAND AND CLAY

Address:16327 FARM RD 2354

Box:City:BAYTOWN

State:TX

ZIP:77520

Country:US

Phone:713-383-2511

CAGE:0K240

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

Company Name:NORTHEAST TEXAS INDUSTRIES

CAGE:NETEX

===== C

Composition/Information on Ingredients =====

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)
CAS:71-55-6
RTECS #:KJ2975000
Fraction by Wt: 70%
Other REC Limits:NONE SPECIFIED
OSHA PEL:350 PPM/450 STEL
ACGIH TLV:350 PPM/450STEL;9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Depleting Chemical:1

Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)
CAS:127-18-4
RTECS #:KX3850000
Fraction by Wt: 24%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TL
V:25PPM/100,A3 STEL;94
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:1,3-DIOXOLANE
CAS:646-06-0
RTECS #:JH6760000
Fraction by Wt: 2%
Other REC Limits:NONE SPECIFIED

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 4%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC

:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYES-CAUSES SOME IRRITATION.

SKIN- IRRITATION ON REPEATED EXPOSURE. CHRONIC: REPEATED
OVEREXPOSURE MAY CAUSE LIVER AND KIDNEY DAMAGE.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CACINOGEN.

Effects of Overexposure:INHALE-MAY CAUSE HEADACHE, DIZZINESS,
ANESTHESIA, UNCONSCIOUSNESS. EYES-CAUSES PAIN.

Medical Cond Aggravated by Exposure:HIGH LEVELS (9000 PP
M) MAY CAUSE
CARDIAC ARRHYTHMIAS.

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

First Aid:EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN- REMOVE
CONTAMINATED CLOTHING, WASH EXPOSED AREA WITH SOAP AND WATER.
INHALATION-REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF
NECESSARY. INGESTION-DO NOT INDUCE VOMITING. CALL A PHYSICIAN.(IF
SYMPTOMS PERSISTS, CALL A PHYSICIAN)

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

Flash Point M

ethod:TCC

Flash Point:NONE

Lower Limits:7.5

Upper Limits:14.5

Extinguishing Media:USE WATER, FOG.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:AEROSOL CANS MAY EXPLODE IF THEIR
TEMPERATURES EXCEED 130F.

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

Spill Release Procedures:USUALLY NOT A PROBLEM WITH AEROSOLS. AREA
SHOULD BE VENTILATED AND ABSORBENT USED TO PICK UP EXCESS MATERIAL.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE.

Other Precautions:AVOID CONTACT WITH SKIN OR BREATHING OF VAPORS. SINCE
VAPORS ARE HEAVIER THAN AIR AEROSOLS SHOULD NOT BE USED IN CONFINED
AREAS OR LOW SPOTS WITHOUT ADEQUATE VENTILATION. IF VAPORS ARE
SUSPECTED IN A LOW ARE, DO NOT ENTER WITHOUT SCBA.

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

Respiratory Protection:ABOVE THE TLV USE SELF-CONTAINED BREATHING
APPA

RATUS.

Ventilation:USE MECHANICAL(GENERAL) MEANS IF NECESSARY.

Protective Gloves:SOLVENT RESISTANT.

Eye Protection:SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

Other Protective Equipment:NOT NORMALLY REQUIRED WITH AEROSOL PRODUCT
USAGE.

Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:V2

Boiling Pt:=73.9C, 165.F

Melt/Freeze Pt:=-56.7C, -70.F

Vapor Pres:85

Vapor Density:4.8

AIR=1

Spec Gravity:1.385

Evaporation Rate & Reference:RAPID

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS LIQUID- IRRITATING ODOR AT HIGH
CONCENTRATIONS.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

AVOID STORAGE IN ALUMINUM CONTAINERS OR CONTACT WITH ALUMINUM AND/OR
ZINC POWDER.

Stability Condition to Avoid:AVOID OPEN FLAMES, ARCS, AND HIGH
TEMPERATURES.

Hazardous Deco

mposition Products:THERMAL-HYDRPGEN CHLORIDE, CHLORINE
AND SOME PHOSGENES.

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

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

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,
expr

essly 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.