

CRC CHEMICALS U.S.A./CRC INDUSTRIES, INC. -- DEGREASER & BRAKE CLEANER,SILOO 51 A --
6850-01-063-4760

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

Product ID:DEGREASER & BRAKE CLEANER,SILOO 51 A

MSDS Date:02/05/1991

FSC:6850

NIIN:01-063-4760

MSDS Number: BRDKJ

=== Responsible Party ===

Company Name:CRC CHEMICALS U.S.A./CRC INDUSTRIES, INC.

Address:885 LOUIS DRIVE

City:WARMINSTER

State:PA

ZIP:18974-2820

Coun

try:US

Info Phone Num:215-674-4300

Emergency Phone Num:215-674-4300

Preparer's Name:ALLEN REED

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

Company Name:MILNUCORP INC

Address:3220-A INDUSTRIAL WAY

Box:City:SNELLVILLE

State:GA

ZIP:30039

Country:US

Phone:404-524-3181 / FAX: 770-736-5094

CAGE:0RY69

Company Name:NETEX INDUSTRIES(FORMER NORTHEAST

TEXAS IND)
Address:1700 NORTH EDWARDS STREET
Box:City: MOUNT PLEASANT
State:TX
ZIP:75455
Country:US
Phone:903-577-0388
CAGE:0WAG0

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===== 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 RECOMMENDED
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 RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV: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 RECOMMENDED

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

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

LD50 LC50 Mixture:LD50(ORAL,RAT) 8850 MG/KG(PERCHLOROETHYL

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE- INHALATION OF VAPORS IN
CONFINED AREAS MAY CAUSE CNS DEPRESSION, POSSIBLE CNS DAMAGE,
UNCONSCIOUSNESS & DEATH. IF SPLASHED INTO EYES, CAN RESULT IN PAIN.
PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DERMATITIS. IF INGESTED,

CAN ACT AS INHALATION. ASPIRATION HAZARD. CHRONIC- CAUSES LIVER &
KIDNEY DAMAGE, DERMATITIS.

Explanation of Carcinogenicity:CONTAINS PERCHLOROETHYLENE AND
1,1,1-TRICHLOROETHANE.

Effects of Overexposure:RESPIRATORY TRACT, NOSE, THROAT, MOUTH, EYE AND
SKIN IRRITATION, DIZZINESS, HEADACHE, NAUSEA, VOMITING, LOSS OF
COORDINATION AND EQUILIBRIUM

Medical Cond Aggravated by Exposure:RESPIRATORY AND HEART ILLNESSES,
LIVER AND KIDNEY DISEASES AND SKIN DISORDERS

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:WASH WITH
SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS
OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED.
ORAL:DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY,
KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.
GET MEDICAL ATTENTION.

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

Flas

h Point Method:TCC

Flash Point:NONE

Lower Limits:7.5

Upper Limits:14.5

Extinguishing Media:WATER FOG. WATER SPRAY MAY BE USED TO KEEP FIRE
EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONCENTRATED VAPORS CAN BE IGNITED BY
HIGH INTENSITY HEAT SOURCE OR FLAME. TOXIC AND CORROSIVE GASES

ARE
FORMED ON CONTACT WITH FLAMES OR HOT GLOWING SURFACES.

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

Spill Release Procedures: VENTILATE AREA. PICK UP WITH ABSORBENT MATERIAL SUCH AS SAWDUST OR VERMICULITE. SWEEP INTO APPROVED CONTAINERS FOR DISPOSAL. AVOID CONTAMINATING ENVIRONMENTS. DO NOT FLUSH TO SEWERS.

Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions: STORE IN COOL, VENTILATED AREA AWAY FROM HIGH HEAT AND INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED.

Other Precautions: KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING VAPORS. AVOID CONTACT WITH EYES AND SKIN. VAPORS HEAVIER THAN AIR AND WILL COLECT IN LOW AREAS. DO NOT ENTER SUCH AREAS UNLESS SPECIAL BREATHING APPARAT US IS USED AND AN OBSERVER IS PRESENT.

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

Respiratory Protection: IF TLV IS EXCEEDED OR IN EVENT OF A SPILL, WEAR

NIOSH APPROVED RESPIRATORY EQUIPMENT FOR ORGANIC VAPOR. USE SELF-CONTAINED BREATHING APPARATUS OPERATD IN PRESSURE DEMAND MODE FOR WORK PERFORMED IN CON FINED PLACES. REFER TO 29CFR 1910.134.

Ventilation: USE LOCAL EXHAUST OR DILUTION VENTILATION AS APPROPRIATE TO CONTROL EXPOSURE TO BELOW PERMISSIBLE LIMITS.

Protective Gloves: VITON OR SILVER SHIELD GLOVES

Eye Protection: SPLASH PROOF GOGGLES WHEN HANDLING LIQ.

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWER

Work H

ygienic Practices: WASH THOROUGHLY AFTER USE AND BEFORE EATING, DRINKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NOTE TO PHYSICIAN: NEVER ADMINISTER ADRENALINE FOLLOWING TRICHLOROETHYLENE OVER EXPOSURE. INCREASED SENSITIVITY OF THE HEART TO ADRENALINE MAY BE CAUSED BY OVEREXPOSURE TO TRICHLOROETHYLENE.

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

HCC: V2

Boiling Pt: =73.9C, 165.F

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

Vapor Pres: 85 @ 20C

Vapor Density

:4.8
Spec Gravity:1.385
Viscosity:NOT RELEVANT
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 FLAMES, ARCS AND TEMPERATURES ABOVE

130F, SINCE AEROSOL CANS MAY EXPLODE.

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON
DIOXIDE, HYDROCHLORIC ACID, PHOSGENE AND CHLORINE.

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

Waste Disposal Methods:MATERIAL MAY BE DISPOSED OF BY A LICENSED
RECLAIMER OR INCINERATION FACILITY. COMPLY WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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