

RALRUBE INC. -- CONATHANE EN-1554 PART B CURATIVE -- 8030-00-862-5159

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Product Identification
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Product ID:CONATHANE EN-1554 PART B CURATIVE

MSDS Date:05/10/1994

FSC:8030

NIIN:00-862-5159

Status Code:A

MSDS Number: CLJLQ

=== Responsible Party ===

Company Name:RALRUBE INC.

Address:36977 FOX GLEN

City:FARMINGTON HILLS

State:MI

ZIP:48331

Country:US

Info Phone Num:248-661-0260

Emergency Phon

e Num:(800)424-9300

Preparer's Name:HENRY SIMMONS

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CAGE:6X798

=== Contractor Identification ===

Company Name:RALRUBE INC.

Address:36977 FOX GLEN

Box:City:FARMINGTON HILLS

State:MI

ZIP:48331

Country:US

Phone:248-661-0260, FAX 248-661-3941

CAGE:6X798

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Composition/Information on Ingredients
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Ingred Name:4,4'-METHYLENEBIS.(2-CHLOROANILINE.).

CAS:101-14-4

RTECS #:CY1050000

Minumum % Wt:24.

Maxumum % Wt:34.

ACGIH TLV:0.11 MG/M3;0.01 PPM

EP

A Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

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Hazards Identification
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Health Hazards Acute and Chronic:CAUSES EYE AND SKIN IRRITATION.
CONTAINS MATERIALS WHICH CAUSED CANCER IN LABORATORY ANIMAL TESTS.
RISK OF CANCER DEPENDS ON DURATION AND LEVEL ON EXPOSURE.
Effects of Overexposure:ACUTE ORAL (RAT) AND DERMAL (RABBIT) ARE BOTH
ESTIMATED TO BE GREATER THAN 2,000 MG/KG. THE 4-HOUR INHALATION
(RAT) IS ESTIMATED TO BE GREATER THAN 20 MG/L. DIRE
CT CONTACT WITH
THIS MATERIAL MAY CAUS E MODERATE EYE AND SKIN IRRITATION.

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First Aid Measures
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First Aid:IN CASE OF SKIN CONTACT. REMOVE CONTAMINATED CLOTHING WITHOUT
DELAY. FLUSH SKIN THOROUGHLY WITH WATER. DO NOT REUSE CLOTHING
WITHOUT LAUNDERING. IN CASE OF EYE CONTACT, IMMEDIATELY IRRIGATE
WITH PLENT Y OF 15 MINUTES. OBTAIN MEDICAL ATTENTION IF IRRITATION
PERSISTS.

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Fire Fighting Measures
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Flash Point Method:CC
Flash Point:>100.C, 212.F
Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE OR DRY CHEMICAL TO
EXTINGUISH FIRES. USE WATER TO KEEP CONTAINERS COOL.

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Accidental Release Measures
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Spill Release Procedures:WHERE EXPOSURE LEVEL IS NOT KNOWN, WEAR NIOSH
APPROVED, POSITIVE PRESSURE, SELF CONTAINED RESPIRATOR. WHERE
EXPOSURE LEVEL IS KNOWN. WEAR NIOSH APPROVED RESPIRATOR SUITABLE
FOR LEVEL OF EXPOSURE. IN A DD
ITION TO THE PROTECTIVE
CLOTHING/EQUIPMENT IN SECTION 8 (EXPOSURE CONTROLS/PERSONAL
PROTECTION), WEAR IMPERVIOUS BOOTS. COVER SPILLS WITH SOME INERT
ABSORBENT MATERIALS.

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Handling and Storage
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Handling and Storage Precautions:AVOID CONTACT WITH EYES, SKIN, AND
CLOTHING. WASH THOROUGHLY AFTER HANDLING.

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Exposure Controls/Personal Protection
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Respiratory Protection:WHERE EXPOSURES EXCEED THE PEL, USE RESPI

RATOR

APPROVED BY NIOSH FOR THE MATERIALS

Ventilation:WHERE THIS MATERIAL IS NOT USED IN A CLOSED SYSTEM, GOOD ENCLOSURE AND EXHAUST VENTILATION SHOULD BE PROVIDED TO CONTROL EXPOSURES

Eye Protection:CHEMICAL SPLASH PROOF GOGGLES OR FACE SHIELDS

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS IMPERVIOUS GLOVES, APRON, WORKPANTS, LONG SLEEVE WORK SHIRT, OR DISPOSABLE COVERALLS ARE RECOMMENDED TO PREVENT SKIN CONTACT.

Work Hygienic Practices:EYEWASH EQUIPMENT AND SAFETY SHOWER SHOULD BE

PROVIDED IN AREAS OF POTENTIAL EXPOSURES.

Supplemental Safety and Health

BEFORE EATING, DRINKING, OR SMOKING, WASH FACE AND HANDS WITH SOAP AND WATER.

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

Vapor Density:NEGLIGIBLE

Spec Gravity:1.10

Appearance and Odor:LIGHT AMBER MEDIUM VISCOSITY LIQUID; MILD CHARACTERISTIC ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ACID

OR BASE AND ALSO OXIDIZING AGENTS.

Stability Condition to Avoid:REACTS WITH ISOCYANATES TO FORM HIGH MOLECULAR WEIGHT POLYMER

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE; OXIDES OF NITROGEN.

===== Toxicological Information =====

Toxicological Information:4,4'-METHYLENEBIS-(2-CHLOROANLLINE) (MOCA) HAS ACUTE ORAL LD50 VALUES OF 2.1 G/KG IN RATS AND 0.88 G/KG IN MICE. EYE AND SKIN EXPOSURE HAS RESULTED IN INFLAMMATION AND

IRRI TATION. THIS MATERIAL DID NO T PRODUCE ALLERGIC CONTRACT DERMATITIS IN GUINEA PIGS. MOCA IS MUTAGENIC/GENOTOXIC IN A VARIETY OF IN VITRO AND VIVO ASSAYS. MOCA WAS CARCINOGENIC IN MICE, RATS, AND DOGS. MICE FED THIS MATERIAL 0.1 A ND 0.2% IN THEIR DIETS WERE OBSERVED WITH VASCULAR TUMORS IN THE MALES AT BOTH DOES AND IN THE FEMALES AT THE HIGH DOSE. LIVER TUMORS WERE OBSERVED IN BOTH GROUPS OF FEMALE MICE. IN ANOTHER STUDY, LIV ER TUMORS WERE OBSERVED IN FEMALE RICE

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

Waste Disposal Methods:DISPOSAL MUST BE MADE IN ACCORDANCE WITH APPLICABLE REGULATIONS.

===== Regulatory Information =====

SARA Title III Information:THE FOLLOWING COMPONENTS ARE DEFINED A TOXIC CHEMICALS OF SECTION 313 OF TITLE III AND 40 CFR OR SUBJECT TO OTHER EPA REGULATIONS. 4,4'-METHYLENEBIS-(2-CHLOROANILINE)(MOCA) 101-14-4 24-34% U158 (R CRA)

Federal Regulatory Information:

US TSCA: THIS PRODUCT IS MANUFACTURED IN COMPLIANCE WITH ALL PROVISIONS OF THE TOXIC SUBSTANCES CONTROL ACT, 15 U.S.C. 2601 ET. SEQ

State Regulatory Information:

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