

R.H.CARLSON COMPANY,INC. -- NORCAST A4000 PART A -- 8040-00-097-6524

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Product Identification
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Product ID:NORCAST A4000 PART A

MSDS Date:02/23/1990

FSC:8040

NIIN:00-097-6524

Kit Part:Y

MSDS Number: BTSMB

=== Responsible Party ===

Company Name:R.H.CARLSON COMPANY,INC.

Address:41-CHESTNUT STREET

Box:1687

City:GREENWICH

State:CT

ZIP:06830-5921

Country:US

Info Phone Num:203-531-5500

Emergenc

y Phone Num:203-531-5500

CAGE:33530

=== Contractor Identification ===

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Composition/Information on Ingredients
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Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 45% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM; Z-2

ACGIH TLV:S, 50 PPM; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LB

===== 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:HEALTH HAZARDS: ACUTE: EYE AND SKIN
 IRRITATION. CENTRAL NERVOUS SYSTEM EFFECTS. CHRONIC: NONE SPECIFIED
 BY MANUFACTURER.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT
 IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYE IRRITATION, DRYING OF SKIN. EXCESSIVE
 INHALATION CAUSES ANESTHESIA, HEADACHE, DIZZINESS, AND NAUSEA.
 Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.IF
 IRRITATION PERSISTS,SEE DOCTOR. SKIN:WASH WITH MILD SOAP AND WATER
 WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION:REMOVE
 VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED
 .SEE DOCTOR.
 INGESTION:DO NOT INDUCE VOMIT.SEE DOCTOR IMMEDIATELY.

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

Flash Point Method:TCC
 Flash Point:414F,212C
 Lower Limits:1.2 %
 Upper Limits:7.0 %
 Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
 CHEMICAL.
 Fire Fighting Procedures:WEAR PROTECTIVE EQUIPMENT AND A FULL FACED
 SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS
 WITH WATER SPRAY. DO NOT USE DIRECT WATER STREAM
 Unusual
 Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR.CAN TRAVEL TO
 IGNITION SOURCE AND FLASHBACK. COMBUSTION OR HEAT OF FIRE MAY
 PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:REMOVE PERSONNEL.ELIMINATE IGNITION SOURCES.
 VENTILATE AREA.WEAR PROTECTIVE CLOTHING AND EQUIPMENT.ABSORB IN
 INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND
 COVER.

===== Handli

ng and Storage =====

Handling and Storage Precautions:STORE IN COOL (BELOW 85F), DRY, WELL VENTILATED AREA. KEEP AWAY FROM HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventila

tion:MECHANICAL (GENERAL) AND/OF LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL. USE EXPLOSION-PROOF EQUIPMENT.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

KEY1:N1. THIS IS PART A OF A 2-PART PRODUCT. FOR PART B, SEE PNI D, SAME NSN.

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

HCC:N1

Boiling Pt:B.P. Text:230F,110C

Vapor Pres:22

Vapor Density:3.2

Spec Gravity:0.98

Evaporation Rate & Reference:2 (BUTYL ACETATE = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:ESSENTIALLY COLORLESS LIQUID. AROMATIC ODOR.

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

Stability Indicator/Materials t

o Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, SILICONE DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

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

Waste Disposal Methods: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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