

NU-CALGON WHOLESALER, INC. -- 4316H, EMKARATE RL 68H -- 9150-01-387-4469

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Product Identification
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Product ID:4316H, EMKARATE RL 68H

MSDS Date:02/13/1998

FSC:9150

NIIN:01-387-4469

Status Code:A

MSDS Number: CLMZD

=== Responsible Party ===

Company Name:NU-CALGON WHOLESALER, INC.

Address:2008 ALTOM COURT

City:ST LOUIS

State:MO

ZIP:63146-4151

Country:US

Info Phone Num:800-554-5499/314-469

-7000

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:0XX75

=== Contractor Identification ===

Company Name:NU-CALGON WHOLESALER, INC.

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Box:City:ST LOUIS

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Composition/Information on Ingredients
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Ingred Name:POLYOL ESTER

> Wt:95.

Ingred Name:ADDITIVES

< Wt:5.

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Hazards Identification
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Routes

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

Health Hazards Acute and Chronic:INGESTION: THE ACUTE ORAL LD50 IN RAT IS PROBABLY ABOVE 2,000 MG/KG. RELATIVE TO OTHER MATERIALS, THIS MATERIAL IS CLASSIFIED AS "SLIGHTLY TOXIC" BY INGESTION. IN HUMANS, IRRITATION OF THE MOUTH, PHAR YNX, ESOPHAGUS AND STOMACH MAY DEVELOP FOLLOWING INGESTION OF THIS PRODUCT. EYES: THIS MATERIAL MAY IRRITATE HUMAN EYES FOLLOWING CONTACT. PROLONGED CONTACT CAN RESULT IN SKIN IRRITATION. INHAL

ATION: HIGH CONCENTRATIONS OF MIST

MAY BE SLIGHTLY IRRITATING TO THE UPPER RESPERATORY TRACT.THERMAL DECOMPOSTITION WILL EVOLVE IRRITANT VAPORS.SEE SUPPLEMENTAL DATA

Effects of Overexposure:INGESTION: IRRITATION OF THE MOUTH, PHARYNX, ESOPHAGUS AND STOMACH. EYES: IRRITATE. SKIN: REPEATED AND PROLONGED CONTACT MAY CAUSE IRRITATION. INHALATION. HIGH CONCRNTRATION OF MIST MAY BE SLIGHTLY IR RITATING.

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

First A

id:INHALATION: REMOVE VICTIM TO FRESH AIR. IF A COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF REDNESS, I TCHING, OR A BURNING SENSATION DEVELOPS, HAVE EYES EXAMINED AND TREATED BY MEDICAL PERSONNEL. SKIN: WASH MATERIAL OFF OF THE SKIN WITH PLENTY OF SOAP AND WATER. IF REDNESS, ITCHING OR A BURNING SENSAT ION DEVELOPS, GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING AND DECONTAMINATE FOOTWEAR BEFORE REUSE. SEE OTHER INFORMATION.

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

Flash Point Method:COC

Flash Point:=270.C, 518.F

Lower Limits:ND

Upper Limits:ND

Extinguishing Media:WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL, HALOGENATED AGENTS.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:NONE.

===== Accidental Release Measure

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Spill Release Procedures:WEAR SKIN AND RSPIRATORY (IF MIST OR VAPORS ARE PRESENT) PROTECTION DURING CLEANUP. CONTAIN SPILL. KEEP OUT OF SEWERS AND REAINS. SOAK UP MATERIAL WITH ABSORBENT AND SHOVEL INTO A CHEMICAL WASTE CONTA INER.

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

Handling and Storage Precautions:PRODUCT IS HIGHLY HYDROSCOPIC. KEEP CONTAINER CLOSED TIGHTLY.

Other Precautions:PREVENT SKIN AND EYE CONTACT. AVOID INHALATION OF HIGH CONCENTRATIONS OF MISTS.

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

Respiratory Protection:USE NSHA-NIOSH FOR ORGANIC VAPORS, DUST AND MISTS FOR 0.05 MG/M3 IF VAPORS OR MIST ARE PRESENT.

Ventilation:USE VENTILATION ADEQUATE TO MAINTAIN SAFE LEVELS.

Protective Gloves:IMPERVIOUS.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:EYEWASH STATION AND SAFETY SHOWER IN WORK AREA.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING AND DECONTAMINAT E

FOOTWEAR BEFORE REUSE.

Supplemental Safety and Health

HEALTH HAZARD CONT: INHALATION: NO TOXIC EFFECTS ARE KNOWN TO BE ASSOCIATED WITH INHALATION OF VAPORS FROM THIS MATERIAL. HIGH CONCENTRATIONS OF MIST MAY BE SLIGHTLY IRRITATING TO THE UPPER RESPIRAT ORY TRACT. CHRONIC: NO ADVERSE EFFECTS ARE PRESENTLY KNOWN.

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

HCC:T6

Boiling Pt:>250.C, 482.F

Melt/Freeze Pt:M.P/F.P Text:ND

Vapor Pres: