

GRACE, W R & CO -- DARACLEAN 235 -- 6850-01-406-6938

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

Product ID:DARACLEAN 235

MSDS Date:02/13/1996

FSC:6850

NIIN:01-406-6938

MSDS Number: BYFPF

=== Responsible Party ===

Company Name:GRACE, W R & CO

Address:55 DAYDEN AVE

City:LEXINGTON

State:MA

ZIP:02173

Country:US

Info Phone Num:617-861-6600

Emergency Phone Num:617-861-6600

CAGE:0NR92

=== Contractor Identification ===

Company Name:GRACE, W R & CO

Address:55 HAYDEN AVE

Box:City:LEXINGTON

State:MA

ZIP:02173

Country:US

Phone:781-861-6600

CAGE:0NR92

===== Composition/Information on Ingredients =====

Ingred Name:TRIETHANOLAMINE

CAS:102-71-6

RTECS #:KL9275000

Fraction by Wt: 2%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

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

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

Health Hazards Acute

and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS. ACUTE- DIRECT EYE OR SKIN CONTACT MAY CAUSE IRRITATION. IF MATERIAL BECOMES AIRBORNE, RESPIRATORY IRRITATION MAY OCCUR BY INHALATION. INGESTION UNKNOWN. CHRONIC- LIVER, KIDNEY AND NERVE DAMAGE IN LABORATORY ANIMALS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, L IVER, KIDNEYS, CNS

MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, D RINK MILK OR WATER. CALL PHYSICIAN.

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

Flash Point:NONE TO BOILING

Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICAL. AVOID USING WATER.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:TOXIC GASES MAY BE FORMED.

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

Spill Release Procedures:PREVENT SKIN AND EYE CONTACT. ABSORB SPILLS WITH INERT MATERIAL SUCH AS SAND OR VERMICULITE. TRANSFER TO A SUITABLE CONT

AINER FOR DISPOSAL. DO NOT FLUSH TO SEWER.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. DO NOT INHALE. DO NOT GET IN EYES OR ON SKIN.

===== Exposure Controls/Per

sonal Protection =====

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A
NIOSH-APPROVED RESPIRATOR.

Ventilation:ADEQUATE

Protective Gloves:NEOPRENE IF DIRECT CONTACT POSSIBLE

Eye Protection:CHEMICAL SPLASH GOGGLES/SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE
CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURE

S.

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:18 @ 68F

Spec Gravity:1

pH:7.4- 8

Solubility in Water:SOLUBLE

Appearance and Odor:AMBER/HAZY LIQUID, BLAND ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, NITRITES

Stability Condition to Avoid:NONE

Hazardou

s Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
OXIDES OF NITROGEN

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

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

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