

GRACE W R GRACE CONTAINER PRODUCTS -- DARACLEAN 282 - CLEANING COMPOUND, SOLVENT
MATERIAL SAFETY DATA SHEET
NSN: 6850013648328
Manufacturer's CAGE: ONR92
Part No. Indicator: A
Part Number/Trade Name: DARACLEAN 282

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General Information

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Item Name: CLEANING COMPOUND, SOLVENT
Company's Name: GRACE, W R & CO/GRACE CONTAINER PRODUCTS
Company's Street: 55 HAYDEN AVE
Company's City: LEXINGTON
Company's State: MA
Company's Country: US
Company's Zip Code: 02173
Company's Emerg Ph #: 617-861-6600
Company's Info Ph #: 617-861-6600 FAX # 617-861-1267
Distributor/Vendor # 1: GRACE W R & CO, DEWEY & ALMAY CHEMICAL D
Distributor/Vendor # 1 Cage: 4L319
Distributor/Vendor # 2: PROCESS DEVELOPMENT & CONTROL INC
Distributor/Vendor # 2 Cage: 0BWU9
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 003
Status: SE
Date MSDS Prepared: 28MAY97
Safety Data Review Date: 25JUN97
Supply Item Manager: CX
MSDS Preparer's Name: UNKNOWN
MSDS Serial Number: CDYZF
Specification Number: NONE
Spec Type, Grade, Class: NONE
Hazard Characteristic Code: C2
Unit Of Issue: CN
Unit Of Issue Container Qty: 5 GAL
Type Of Container: CAN
Net Unit Weight: 41.7 LBS
NRC/State License Number: NOT RELEVANT

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: DIETHYLENE GLYCOL MONOBUTYL ETHER
Ingredient Sequence Number: 01
Percent: 3
NIOSH (RTECS) Number: KJ9100000
CAS Number: 112-34-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics

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Appearance And Odor: YELLOW LIQUID - CITRUS ODOR
Boiling Point: 212F, 100C

Melting Point: UNKNOWN
Vapor Pressure (MM Hg/70 F): 29 @ 73F
Vapor Density (Air=1): UNKNOWN
Specific Gravity: 1 APPROX.
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: UNKNOWN
Solubility In Water: COMPLETE
Viscosity: UNKNOWN
pH: 13.0
Radioactivity: NOT RELEVANT
Corrosion Rate (IPY): UNKNOWN

Fire and Explosion Hazard Data

Flash Point: NONE
Lower Explosive Limit: NOT RELEVANT
Upper Explosive Limit: NOT RELEVANT
Extinguishing Media: CARBON DIOXIDE, FOAM/DRY CHEMICAL. AVOID WATER. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.
Special Fire Fighting Proc: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.
Unusual Fire And Expl Hazrds: MAY FORM TOXIC GASES.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): EXCESSIVE HEAT
Materials To Avoid: STRONG OXIDIZING AGENTS, STRONG ACIDS, NITRITES
Hazardous Decomp Products: OXIDES OF NITROGEN, CARBON MONOXIDE, CARBON DIOXIDE MAY BE FORMED.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL, RAT) IS UNKNOWN.
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: TARGET ORGANS: EYE, SKIN, RESPIRATORY & GI TRACTS. ACUTE- EYES/SKIN: MAY IRRITATE UPON DIRECT CONTACT. INHALE: MAY CAUSE RESPIRATORY TRACT IRRITATION IF MATERIAL BECOMES AIRBORNE. ORAL: UNKNOWN. CHRONIC- UNKNOWN.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: IRRITATION
Med Cond Aggravated By Exp: UNKNOWN
Emergency/First Aid Proc: GET MEDICAL HELP IF SYMPTOMS PERSIST.
INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. ORAL: DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH WITH WATER. DRINK WATER OR MILK. SEEK MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. STOP LEAK IF POSSIBLE. ABSORB SPILL WITH VERMICULITE OR SAND. PLACE IN SEALED CONTAINERS FOR DISPOSAL. WASH AREA WITH SOAPY WATER AND RINSE. SPILL AREA WILL BE SLIPPERY UNTIL CLEANED.

Neutralizing Agent: ACETIC ACID, CITRIC ACID, DILUTE PHOSPHORIC ACID

Waste Disposal Method: CONTACT FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATORS FOR GUIDANCE REGARDING PROPER DISPOSAL. IF PH IS 12.5 OR GREATER, THE MATERIAL IS DEFINED AS A HAZARDOUS WASTE WITH EPA WASTE NUMBER: D002.

Precautions-Handling/Storing: STORE AT 40-100 F, IN A WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions: DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPORS/MIST. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. DO NOT MIX WITH NITRITES OR NITRITE CONTAINING COMPOUNDS. WASH THOROUGHLY AFTER HANDLING.

Control Measures

Respiratory Protection: NONE NORMALLY NEEDED. IF EXCESSIVE MISTING IS EXPECTED, WEAR NIOSH-APPROVED MIST RESPIRATOR (REFER TO 29 CFR 1910.134)

Ventilation: USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR MIST LEVELS AS LOW AS POSSIBLE.

Protective Gloves: NEOPRENE IF DIRECT CONTACT POSSIBLE

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY. WEAR APPROPRIATE PROTECTIVE CLOTHING FOR RISK OF EXPOSURE.

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Suppl. Safety & Health Data: THE PH RANGE: 12.4 - 13.0

Transportation Data

Trans Data Review Date: 97176

DOT PSN Code: DWG

DOT Proper Shipping Name: CORROSIVE LIQUIDS, N. O. S.

DOT Class: 8

DOT ID Number: UN1760

DOT Pack Group: III

DOT Label: CORROSIVE

DOT/DoD Exemption Number: NOT RELEVANT

IMO PSN Code: ESH

IMO Proper Shipping Name: CORROSIVE LIQUID, N. O. S. o

IMO Regulations Page Number: 8147

IMO UN Number: 1760

IMO UN Class: 8

IMO Subsidiary Risk Label: -

IATA PSN Code: HKW

IATA UN ID Number: 1760

IATA Proper Shipping Name: CORROSIVE LIQUID, N. O. S. *

IATA UN Class: 8

IATA Label: CORROSIVE

AFI PSN Code: HKW
AFI Prop. Shipping Name: CORROSIVE LIQUID, N. O. S.
AFI Class: 8
AFI ID Number: UN1760
AFI Pack Group: III
AFI Special Prov: A7
AFI Basic Pac Ref: A12.3
N. O. S. Shipping Name: DIETHYLENE GLYCOL MONOBUTYL ETHER
Additional Trans Data: PH: 13.0

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Disposal Data

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Label Data

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Label Required: YES
Technical Review Date: 25JUN97
MFR Label Number: UNKNOWN
Label Status: F
Common Name: DARACLEAN 282
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: TARGET ORGANS: EYE, SKIN, RESPIRATORY & GI TRACTS. ACUTE- EYES/SKIN: MAY IRRITATE UPON DIRECT CONTACT. INHALE: MAY CAUSE RESPIRATORY IRRITATION IF MATERIAL BECOMES AIRBORNE. ORAL: UNKNOWN. CHRONIC- UNKNOWN. STORE AT 40-100 F, IN A WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE MATERIALS. ABSORB SPILL WITH VERMICULITE OR SAND. PLACE IN SEALED CONTAINERS FOR DISPOSAL. WASH AREA WITH SOAPY WATER & RINSE. FIRST AID- GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. ORAL: DON' T INDUCE VOMITING. DRINK WATER/MILK. CALL DOCTOR
Protect Eye: Y
Label Name: GRACE, W R & CO/GRACE CONTAINER PRODUCTS
Label Street: 55 HAYDEN AVE
Label City: LEXINGTON
Label State: MA
Label Zip Code: 02173
Label Country: US
Label Emergency Number: 617- 861- 6600