

W R GRACE & CO -- DARACLEAN 257 -- 6850-01-467-1317

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

Product ID:DARACLEAN 257  
MSDS Date:06/28/1999  
FSC:6850  
NIIN:01-467-1317  
Status Code:A  
MSDS Number: CKVCX  
=== Responsible Party ===  
Company Name:W R GRACE & CO  
Address:55 HAYDEN AVE  
City:LEXINGTON  
State:MA  
ZIP:02173  
Country:US  
Info Phone Num:713-479-7348  
Emergency Phone Num:781-861-6600  
CAGE:1BX64  
=== Contractor  
Identification ===  
Company Name:W R GRACE & CO  
Address:55 HAYDEN AVE  
City:LEXINGTON  
State:MA  
ZIP:02173  
Country:US  
Phone:713-479-7348  
CAGE:1BX64

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

Health Hazards Acute and Chronic:ACUTE: INHALATION: IRRITATION MAY  
OCCUR IF MATERIAL BECOMES AIRBORNE. EYE: IRRITATION UPON DIRECT  
CONTACT. SKIN: IRRITATION UPON DIRECT CONTACT. INGESTION: NONE  
KNOWN. CHRONIC: NONE KNOWN.  
Effects of Overexposure:GET MEDICAL ATTENTION IF  
SYMPTOMS PERSISTS.  
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. EYES: IMMEDIATELY FLUSH EYES  
WITH WATER FOR AT LEAST 15 MINS, GET MEDICAL ATTENTION. SKIN: WASH  
AFFECTED AREA WITH WATER; IF IRRITATION OCCURS & PERSISTS, GET  
MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING. INGESTION DILUTE  
WITH WATER OR MILK, DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

=====

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

Flash Point Method:COC

Flash Point:NONE TO BOILING

Lower Limits:NONE PROVIDE

Upper Limits:NONE PROVIDE

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM. AVOID WATER IF POSSIBLE, AS WATER MAY CAUSE SPATTERING OF HOT MATERIAL & MAY SPREAD BURINING.

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

Spill Release Procedures:SMALL SPILL: WIPE UP, OR ABSORB WITH SAND OR OTHER ABSORBENT MATERIAL. COLLECT W

ASTE IN SEALED CONTAINERS. LARGE

SPILL: DIKE AREA TO PREVENT SPREADING. ABSORB RESIDUAL MATERIAL WITH SAND, OR TOHER AB OSRBENT MATERIAL. WASH AREA WITH SOAPY WATER & RINSE. AREA WILL BE SLIPPERY UNTIL CLEANED.

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

Handling and Storage Precautions:AVIOD BREATING MISTS. IF GENERAL VENTILATION OR LOCAL EXHAUST IS INADEQUATE, PERSONS EXPOSED TO MISTS WHOULD WEAR APPROVED BREATHING DEVICES. WEAR NEOPRENE GLOVES

IF DIRECT CONTACT LIKELY, WEAR EYE PR OTECTION. STORE PRODUCT AT 40 TO 100 DEG F IN A WELL VENTILATED AREA.

Other Precautions:DO NOT MIX WITH NITRATES OR NITRATE CONTAINING COMPOUNDS.

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

Respiratory Protection:AVOID BREATHING MISTS; IF GENERAL VENTILATION OR LOCAL EXHAUST IS INADEQUATE, PERSONS EXPOSED TO MISTS SHOULD WEAR APPROVED BREATHING DEVICES.

Ventilation:GENERAL VENTILATION OR LOCAL EXHAUST.

Protective G

loves:WEAR NEOPRENE GLOVES IF DIRECT CONTACT IS LIKELY.

Eye Protection:WEAR EYE PROTECTION.

Work Hygienic Practices:AVOID BREATHING MISTS.

Supplemental Safety and Health

GENERAL CHEMICAL DESCRIPTION: AQUEOUS ALKALINE CLEANER.

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

HCC:B3

Boiling Pt.=100.C, 212.F

B.P. Text:APPROX

Spec Gravity:1.12 (WATER=1)

pH:11.5 TO 12.4

Solubility in Water:COMPLETE

Appearance and Odor:PALE STRAW LIQUID CLEAR TO SLIGHT HAZE, MILD ODOR.

=====

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS.

Stability Condition to Avoid: DO NOT MIX WITH STRONG ACIDS.

Hazardous Decomposition Products: COMBUSTION WILL RESULT IN THE RELEASE OF THE USUAL DECOMPOSITION PRODUCTS INCLUDING OXIDES OF CARBON & NITROGEN.

Conditions to Avoid Polymerization: WILL NOT OCCUR

===== Ecological Information =====

Ecological: ENVIRONMENTAL STABILITY: CURRENTLY

, THERE ARE NO ADVERSE

ENVIRONMENTAL EFFECTS WHICH HAVE BEEN REPORTED FOR THIS PRODUCT.

EFFECTS OF MATERIAL ON PLANTS OR ANIMALS: IF LARGER QUANTITIES OF THIS PRODUCT ARE RELEASED INTO THE ENVIRONMENT, ADVERSE EFFECTS ON PLANTS & ANIMAL LIFE MAY OCCUR. EFFECTS OF CHEMICAL ON AQUATIC LIFE: IF LARGE QUANTITIES ARE RELEASED INTO A BODY OF WATER, THIS PRODUCT MAY HAVE ADVERSE EFFECTS ON THE AQUATIC LIFE IN THE AFFECTED WATER.

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

ns =====

Waste Disposal Methods: DISPOSE OF ALL PRODUCT WASTES & WATER RINSES IN ACCORDANCE WITH CURRENT LOCAL, STATE, & FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information: THIS MATERIAL IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION. PROPER SHIPPING NAME, HAZARD CLASS NUMBER AND DESCRIPTION, UN IDENTIFICATION NUMBER, DOT LABEL (S) REQUIRED, PACKAGING GROUP:

NOT APPLICABLE. NATIONAL MOTOR FREIGHT CLASSIFICATION: #70. MARINE POLLUTANT: NO COMPONENTS OF THIS PRODUCT IS LISTED AS A MARINE POLLUTANT BY THE D.O.T. (49 CFR 172.101 APPENDIX B). TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: THIS MATERIAL IS NOT CONSIDERED AS DANGEROUS GOODS.

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

SARA Title III Information: U.S. SARA REPORTING REQUIREMENTS: THE COMPONENTS OF THIS PRODUCT ARE SUBJECT TO THE R

REPORTING

REQUIREMENTS OF SECTION 302, 304, AND 313 OF TITLE III OF SARA:  
CHELATING AGENT: YES, SARA 304, INORGANIC SODIUM COMPOUND: YES,  
SARA 304. U.S. CERCLA REPORTABLE QUANTITY (RQ): CHELATING  
AGENT=5000 LBS; INORGANIC SODIUM COMPOUNDS=5000 LBS.  
Federal Regulatory Information:U.S. TSCA INVENTORY STATUS: THE  
COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. OTHER  
U.S. FEDERAL REGULATIONS: NOT APPLICABLE.  
State Regulatory Information:ILLINOIS-TOXIC SUBSTANCE LIST  
ST CHELATING  
AGENT. NEW JERSEY-RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST: CHELATING  
AGENTS, PERCARBONATE COMPOUNDS, INORGANIC SODIUM COMPOUNDS. NORTH  
DAKOTA-LIST OF HAZARDOUS CHEMICALS, REPORTABLE QUANTITIES:  
CHELATING AGENT. PENNSYLVANIA-HAZARDOUS SUBSTANCE LIST: CHELATING  
AGENT, INORGANIC SODIUM COMPOUNDS. CALIFORNIA SAFE DRINKING WATER  
AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): NO COMPONENTS OF THIS  
PRODUCT IS ON THE CALIFORNIA PROPOSITION 65 LISTS.

=====  
===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.