

UNITED DESICCANTS-GATES, UNITED CATALYSTS INC. -- TRI-SORB PACKAGED DESICCANT (ALL MOLECULAR -- 6850-01-337-0324

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

Product ID:TRI-SORB PACKAGED DESICCANT (ALL MOLECULAR

MSDS Date:10/04/1990

FSC:6850

NIIN:01-337-0324

MSDS Number: BRQSR

=== Responsible Party ===

Company Name:UNITED DESICCANTS-GATES, UNITED CATALYSTS INC.

Address:101 CHRISTINE DR

Box:105

City:BELEN

S

tate:NM

ZIP:87002-0105

Country:US

Info Phone Num:505-864-6691/FAX -9296

Emergency Phone Num:505-864-6691

CAGE:4Y023

=== Contractor Identification ===

Company Name:SUD-CHEMIE INC/SUB CHEMIE PERFORMANCE PACKAGING DIV

Address:926 SOUTH 8TH ST (FORMALLY HUMIDIAL)

Box:610

City:COLTON

State:CA

ZIP:92324-0610

Country:US

Phone:909-825-1793

CAGE:00334

Company Name:SUD-CHEMIE PERFORMANCE PACKAGING UNITED CATALYSTS INC

Address:101 CHRISTINE DR

Box:City:BELEN

State:NM

ZIP:87002-0105

Country:US

Phone:505-864

-6691/FAX: 505-864-9296
CAGE:4Y023

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Composition/Information on Ingredients
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Ingred Name:ZEOLITE, SODIUM A (TYPE 4A) INGRDIENT #1 TO #4 =75-85%
CAS:68989-22-0
Other REC Limits:NONE SPECIFIED

Ingred Name:ZEOLITE,POTASSIUM A (TYPE 3A)
CAS:68989-21-9
Other REC Limits:NONE SPECIFIED

Ingred Name:ZEOLITE, CALCIUM A (TYPE 5A)
CAS:68989-20-8
Other REC Limits:NONE SPECIFIED

Ingred Name:ZEOLITE, SODIUM X (TYPE 13X)
CAS:68989-23-1
Other REC Limits:NONE SPECIFIED

Ingred Name:MAGNESIUM ALUMINOSILICATE (TYPE CLAY)
CAS:1237-43-1
Fraction by Wt: 15-25%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 0-2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute

and Chronic:ACUTE-EYE:MAY CAUSE

IRRITATION,BURNS/CONJUNCTIVITIS. SKIN:PROLONGED/REPEATED CONTACT
MAY CAUSE IRRITATION,DRYNESS & DERMATITIS. INHALATION:MAY CAUSE
BURNING OF THE UPPER RESPIRATORY TRACT & LUNG DAMAG E.
INGESTION:MAY DAMAGE THROAT,ESOPHAGUS AND/OR GI TRACT.
CHRONIC-DERMATITIS.

Explanation of Carcinogenicity:CRYSTALLINE SILICA IS ANTICIPATED

CARCINOGEN BY NTP AND IS LISTED AS PROBABLE CARCINOGEN BY IARC (2A)

Effects of Overexposure:EYE: IRRITATION, BURNS/ CONJ
UNCTIVITIS.

SKIN:IRRITATION, DRYNESS. INHALATION: BURNING OF THE UPPER
RESPIRATORY TRACT, DIFFICULTY IN BREATHING. INGESTION:SEVERE
IRRITATION, ABDOMINAL PAIN.

Medical Cond Aggravated by Exposure:NONE LISTED.

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

First Aid:INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR/OXYGEN IF NEEDED.

EYE CONTACT:FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL HELP. SKIN

CONTACT:WASH WITH SOAP AND WATER. GET MED ATTENTION IF SYMPT

OMS

PERSIS T. INGESTION:GIVE EMETICS TO INDUCE VOMITING, MILK AND FATTY
ACIDS SHOULD BE AVOIDED. GET MEDICAL HELP IMMEDIATELY.

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

Flash Point:NONE

Extinguishing Media:USE WATER SPRAY/FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusu

al Fire/Explosion Hazard:NEGLIGIBLE FIRE AND EXPLOSION HAZARD WHEN
EXPOSED TO HEAT OR FLAME BY REACTION WITH INCOMPATIBLE SUBSTANCES.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS INCLUDING
RESPIRATOR AND GOGGLES. VACUUMING OR WET METHODS OF CLEANUP ARE
PREFERRED. PLACE IN APPROPRIATE CONTAINERS FOR DISPOSAL KEEPING
AIRBORNE PARTICULATE AT A MINIMUM.

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

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Handling and Storage Precautions:STORAGE-STORE IN TIGHTLY CLOSED CONTAINER AWAY FROM HEAT & MOISTURE.

Other Precautions:WEAR GOGGLES IF DUST CAUSES EYE DISCOMFORT. WEAR A PROPERLY FITTED NIOSH-APPROVED DUST RESPIRATOR FOR DUSTY CONDITIONS. AVOID BREATHING DUST. DO NOT RAISE DUST. MINIMIZE CONTACT WITH EYES AND SKIN.

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

Respiratory Protection:WEAR A PROPERLY FITTED NIOSH/MSHA APPROVED DUST RESPIRATOR IF CONDITIONS ARE DUSTY.

Ventilation:MECHANICAL(GENERAL) VENTILATION IS USUALLY ADEQUATE TO MAINTAIN DUST LEVELS BELOW TLV FOR NUISANCE DUST.

Protective Gloves:YES

Eye Protection:GOGGLES FOR DUSTY CONDITIONS

Other Protective Equipment:LONG SLEEVE WORK CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, DRINKING OR SMOKING. VACUUM UP ANY DUST. LAUNDRER CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NOTE TO PHYSICIAN: THIS PRODUCT IS A DESICCANT AND GENERATES HEAT AS IT

ABSORBS WATER. THE USED PRODUCT CAN CONTAIN MATERIAL OF HAZARDOUS NATURE. IDENTIFY THAT MATERIAL AND TREAT ACCORDINGLY.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:>2900F,>159

Solubility in Water:INSOLUBLE

Appearance and Odor:LIGHT TAN BEAD OR PELLETT, ODORLESS

Percent Volatiles by Volume: