

MULTISORB TECHNOLOGIES INC -- MOLECULAR SIEVE 4A -- 6850-01-344-0795

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Product Identification
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Product ID:MOLECULAR SIEVE 4A
MSDS Date:10/21/1997
FSC:6850
NIIN:01-344-0795
Status Code:A
MSDS Number: CJNNZ
=== Responsible Party ===
Company Name:MULTISORB TECHNOLOGIES INC
Address:325 HARLEM ROAD
City:BUFFALO
State:NY
ZIP:14224
Country:US
Info Phone Num:716-883-8900
Emergency Phone Num:716.
824.8900
Resp. Party Other MSDS Num.:M49
Preparer's Name:G.E. MCKEDY
CAGE:22627
=== Contractor Identification ===
Company Name:MULTISORB TECHNOLOGIES INC
Address:325 HARLEM ROAD
Box:City:BUFFALO
State:NY
ZIP:14224-1893
Country:US
Phone:716-824-8900
Contract Num:SP0450-99-M-NA48
CAGE:22627

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Composition/Information on Ingredients
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Ingred Name:SODIUM OXIDE (NA2O)
CAS:1313-59-3
< Wt:30.

Ingred Name:MAGNESIUM OXIDE (MGO)
CAS:1309-48-4
RTECS #:OM3850000
< Wt:5.
OSH

A PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:ALUMINUM OXIDE (AL2O3) (NON-FIBROUS)
CAS:1344-28-1
RTECS #:BD1200000
< Wt:30.
Other REC Limits:5 MG/M3 RESP DUST
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:SILICON OXIDE (SIO2)
CAS:7631-86-9
< Wt:50.
Other REC Limits:5 MG/M3 RESP DUST
OSHA PEL:15 MG/M3 T DUST
OSHA STEL:5 MG/M3 R DUST
ACGIH TLV:10 MG/M3 T DUST
ACGIH STEL:3 MG/M3 R DUST

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Hazards Identification
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Health Hazards Acute and Chronic
:TARGET ORGANS: N/P. ACUTE: MAY CAUSE
EYE, SKIN AND MUCOUS MEMBRANE IRRITATION. CHRONIC: PROLONGED
INHALATION MAY CAUSE LUNG DAMAGE.
Effects of Overexposure:EYE, SKIN AND MUCOUS MEMBRANE IRRITATION.
Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY AGGRAVATE
ASTHMA AND INFLAMMATORY OF FIBROTIC PULMONARY DISEASE.

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First Aid Measures
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First Aid:EYE CONTACT: FLUSH EYES WITH WATER FOR 15 MINUTES AND CONTACT
PHYSICIAN. SKIN CON
TACT: WASH AFFECTED AREA WITH SOAP AND WATER.
INHALATION: REMOVE TO FRESH AIR AND GET MEDICAL ASSISTANCE IF
NECESSARY. INGESTION: IF INGESTED IN LARGE QUANTITIES, DRINK (2)
GLASSES OF WATER. CONTACT PHYSICIAN FOR PERMISSION TO INDUCE
VOMITING. THIS PRODUCT GETS HOT AS IT ABSORBS WATER. BURNS TO MOIST
BODY CAN RESULT I F CONTACT IS PROLONGED. NO OTHER EVIDENCE OF
ADVERSE EFFECTS FROM AVAILABLE INFORMATION. (HMIS: SEE PHYSICIAN)

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Fire Fighting Measure
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Flash Point:DOES NOT BURN

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING AREA.

Fire Fighting Procedures:USED MATERIAL MAY CONTAIN PRODUCTS OF A HAZARDOUS NATURE. THE USER OF THIS PRODUCT MUST IDENTIFY THE HAZARDS OF THE RETAINED MATERIAL AND INFORM THE FIRE FIGHTER OF THESE HAZARDS.

Unusual Fire/Explosion Hazard:WHEN EXPOSED TO WATER, MOLECULAR SIEVE CAN GET QUITE HOT. WHEN FIRST WETTED IT CAN HEAT TO THE BOILING POINT OF WATER. FLOODING WITH WATER WILL REDUCE THE TEMPERATURE TO SAFE LIMITS.

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

Spill Release Procedures:SWEEP THE SPILL AREA. COLLECT AND PLACE THE SPILLED MATERIAL IN A WASTE DISPOSAL CONTAINER. AVOID RAISING DUST.

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

Handling and Storage Precautions:AVOID BREATHING DUST. USE ADEQUATE VENTILATION. WASH AFTER HANDLING.

Other Precautions:USE GOOD PERSONAL HYGIENE.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR WHEN PEL MIGHT BE EXCEEDED.

Protective Gloves:RECOMMENDED

Eye Protection:SAFETY GOGGLES WITH SIDE SHIELDS.

Work Hygienic Practices:AVOID RAISING DUST. AVOID CONTACT WITH SKIN, EYES, AND CLOTHING.

Supplemental Safety and Health
NONE

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

HCC:N1

Spec Gravity:2.1

Appearance and Odor:PRODUCT MAY APPEAR AS A BEAD,

PELLET, MESH CAKE OR
POWDER. ODORLESS.

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

Stability Indicator/Materials to Avoid: YES

SUDDEN CONTACT WITH HIGH CONCENTRATION OF CHEMICALS HAVING HIGH HEATS
DUE TO ADSORPTION.

Stability Condition to Avoid: THE ADDITION OF WATER WITHOUT FLOODING CAN
CAUSE A RISE IN TEMPERATURE FROM THE HEAT OF ADSORPTION, AND
CONTACT WITH SKIN MIGHT RESULT IN BURNS.

Hazardous Decomposition Products: DOES NOT READILY DECOMPOSE. ADSORB
ED

MATERIALS SUCH AS HYDROCARBONS WILL BE MORE EASILY GIVEN OFF.

===== Toxicological Information =====

Toxicological Information: NONE SPECIFIED BY MANUFACTURER.

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

Ecological: NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods: DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER
OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MAN
NER IN FULL COMPLIANCE
WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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

Transport Information: NONE SPECIFIED BY MANUFACTURER.

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

SARA Title III Information: NONE SPECIFIED BY MANUFACTURER.

Federal Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

State Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

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

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