

MULTISORB TECHNOLOGIES, INC. (FORMLY MULTIFORM DESICCANTS,) -- 02-00618BG04,
MOLECULAR SIEVE 4A -- 6850-00-906-6432

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Product Identification
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Product ID:02-00618BG04, MOLECULAR SIEVE 4A

MSDS Date:10/21/1997

FSC:6850

NIIN:00-906-6432

Status Code:A

MSDS Number: CLCRB

=== Responsible Party ===

Company Name:MULTISORB TECHNOLOGIES, INC. (FORMLY MULTIFORM DESICCANTS,
)

Address:325 HARLEM
ROAD

City:BUFFALO

State:NY

ZIP:14224

Country:US

Info Phone Num:716-824-8900

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:SP0450-01-M-ZA32

CAGE:22627

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Composition/Information on Ingredients
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Ingred Name:SODIUM OXIDE (NA2O)

CAS:131

3-59-3
< Wt:30.

Ingred Name:MAGNESIUM OXIDE (MGO)
CAS:1309-48-4
RTECS #:OM3850000
< Wt:5.
OSHA 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 (R. 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 (R. DUST)
OSHA PEL:15 MG/M3 (T DUST)
ACGIH TLV:10 MG/M3 (AS SI)

==== Hazards Identification ===
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LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE, SKIN AND MUCOUS
MEMBRANE IRRITATION. CHRONIC: PROLONGED INHALATION MAY CAUSE LUNG
DAMAGE.
Explanation of Carcinogenicity:NO DATA PROVIDED BY MANUFACTURER
Effects of Overexposure:EYE SKIN AND MUCOUS MEMBRANE IRRITATION.
Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY AGGRAVATE
ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

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

First Aid:SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION
AND SUPPORT IF NECESSARY. EYE: FLUSH EYES WITH WATER FOR 15 MINUTES
AND CONTACT PHYSICIAN. SKIN: WASH AFFECTED AREA WITH SOAP AND
WATER. INHA LATION: 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 P RODUCT GETS H

OT AS IT ADSORBS WATER. BURNS TO
MOIST BODY TISSUES CAN RESULT IF CONTACT IS PROLONGED. NO OTHER
EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

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

Flash Point:DOES NOT BURN

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USED MATERIAL MAY CONTAIN PRODUCTS OF A
HAZARDOUS NATURE. THE USER OF THIS PRODUCT MAY IDENTIFY THE HAZARDS
OF THE RETAINED MATERIAL AND INFORM T
HE FIREFIGHTERS 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.

Neutralizing Agent:NO DATA
PROVIDED BY MANUFACTURER.

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

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

Other Precautions:USE GOOD PERSONAL HYGIENE.

===== 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 Pract

ices:AVOID RAISING DUST. AVOID CONTACT WITH SKIN,
EYES AND CLOTHING.

Supplemental Safety and Health

NO DATA PROVIDED BY MANUFACTURER.

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

HCC:N1

Spec Gravity:2.1

Appearance and Odor:PRODUCT MAY APPEAR AS BEAD, PELLET, MESH CAKE OR
POWDER. ODORLESS.

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

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

Stability Con

dition to Avoid:THE ADDITION OF WATER WITHOUT FLOODING CAN CAUSE A RISE IN TEMPERATURE FROM THE HEAT OF ABSORPTION, AND CONTACT WITH SKIN MIGHT RESULT IN BURNS.
Hazardous Decomposition Products:DOES NOT READILY DECOMPOSE. ADSORBED MATERIALS SUCH AS HYDROCARBONS WILL BE MORE EASILY GIVEN OFF.

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

Toxicological Information:NO DATA PROVIDED BY MANUFACTURER.

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

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Ecological:NO DATA PROVIDED BY MANUFACTURER.

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

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

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

Transport Information:NO DATA PROVIDED BY MANUFACTURER.

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

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SARA Title III Information:NO DATA PROVIDED BY MANUFACTURER.
Federal Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

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

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