

MOLECULAR SIEVE 4A (INDICATING)

MSDS Number

CHQLZ

National Stock Number

6850-01-140-5446

Product Name

MOLECULAR SIEVE 4A (INDICATING)

Manufacturer

MULTIFORM DESICCANTS INC

Product Identification

Product ID: MOLECULAR SIEVE 4A (INDICATING)

MSDS Date: 10/21/1997

FSC: 6850

NIIN: 01-140-5446

MSDS Number: CHQLZ

Responsible Party

MULTIFORM DESICCANTS INC

960 BUSTI-AT-NIAGARA

BUFFALO , NY 14213-2101

US

Emergency Phone: 716-883-8900

Info Phone: 716-883-8900

Cage: 22627

Contractor

MULTISORB TECHNOLOGIES INC

BUFFALO, NY 14224-1893

US

716-824-8900

Cage: 22627

Ingredients

SODIUM OXIDE

CAS: 1313-59-3

Fraction By Weight:

MAGNESIUM OXIDE

CAS: 1309-48-4

RTECS: OM3850000

Fraction By Weight:

OSHA PEL15 MG/M3 PARTICULATE

ACGIH TLV: 10 MG/M3;TDUST; 9293

ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

SILICA GEL

CAS: 112945-52-5

RTECS: VV7310000

Fraction By Weight:

OSHA PEL6 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

COBALT CHLORIDE

CAS: 7646-79-9

RTECS: GF9800000

Fraction By Weight:

OSHA PEL0.05 MG CO/M3

ACGIH TLV: 0.05 MG CO/M3

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE, SKIN & MUCOUS MEMBRANE IRRITATION. CHRONIC: PROLONGED INHALATION MAY CAUSE LUNG DAMAGE.

Explanation of Carcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT LISTED ON THE IARC, NTP OR OSHA CARCINOGENS LISTS.

Effects of Overexposure:EYE, SKIN AND MUCOUS MEMBRANE IRRITATION.

Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY AGGRAVATE ASTHMATICS AND INFLAMMATORY OF FIBROTIC PULMONARY DISEASES.

First Aid

First Aid:EYES: FLUSH EYES WITH WATER FOR 15 MINUTES AND CONTACT PHYSICIAN. SKIN: WASH AFFECTED AREA WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR AND GET MEDICAL ASSISTANCE IF NECESSARY. INGESTION: 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 TISSUE CAN RESULT IF CONTACT IS LONG.

Fire Fighting

Flash Point:DOES NOT BURN

Extinguishing Media:USE APPROPRIATE MEDIA FOR SURROUNDING FIRE.

Fire Fighting Procedures:USED MATERIAL MAY CONTAIN PRODUCTS OF A HAZARDOUS NATURE. THE USER MUST IDENTIFY HAZARDS & INFORM THE FIREFIGHTERS OF THESE HAZARDS.

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

Accidental Release

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

Neutralizing Agent:NONE REQUIRED

Handling

Handling and Storage Precautions:AVOID BREATHING DUST. USE WITH

ADEQUATE VENTILATION. WASH AFTER HANDLING.
Other Precautions:USE GOOD PERSONAL HYGIENE.

Exposure Controls

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

Protective Gloves:RECOMMENDED

Eye Protection:SAFETY GOGGLES WITH SIDE SHIELDS

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:AVOID RAISING DUST. AVOID CONTACT WIYH SKIN, EYE AND CLOTHING.

Supplemental Safety and Health
NONE

Chemical Properties

HCC:V7

Spec Gravity:2.1

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

Stability

Stability Indicator/Materials to Avoid:YES

SUDDEN CONTACT WITH HIGH CONCENTRATIONS OF CHEMICALS HAVING HIGH HEATS OF ADSORPTIONS.

Stability Condition to Avoid:MOISTURE (WATER) CAN CAUSE RISE IN TEMPERATURE, CONTACT WITH SKIN MIGHT REULT IN BURNS.

Hazardous Decomposition Products:DOES NOT READILY DECOMPOSE. ABSORBED MATERIAL SUCH AS HYDROCARBONS WILL BE MORE EASILY GIVEN OFF.

Disposal

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

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.