

## **MOLECULAR SIEVE TYPE 13X**

### **MSDS Number**

BXCBP

### **National Stock Number**

6850-01-030-4827

### **Product Name**

MOLECULAR SIEVE TYPE 13X

### **Manufacturer**

UOP INC

### **Product Identification**

Product ID:MOLECULAR SIEVE TYPE 13X

MSDS Date:03/01/1992

FSC:6850

NIIN:01-030-4827

MSDS Number: BXCBP

### **Responsible Party**

UOP INC

25 E ALGONQUIN RD

DES PLAINES , IL 60017-5017

US

Emergency Phone: 708-391-2123/800-424-9300(CHEMTREC)

Info Phone: 708-391-2123

Cage: 02QC3

### **Contractor**

UOP LLC

DES PLAINES, IL 60017-5017

US

847-391-2953

Cage: 02QC3

### **Ingredients**

SODIUM OXIDE

CAS: 1313-59-3

Fraction By Weight:

ALUMINUM OXIDE (NON-FIBROUS) (SARA III)

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9394

SILICON OXIDE

CAS: 112945-52-5

RTECS: VV7310000

Fraction By Weight:

OSHA PEL6 MG/M3

ACGIH TLV: 10 MG/M3

MAGNESIUM OXIDE

CAS: 1309-48-4

RTECS: OM3850000

Fraction By Weight:

OSHA PEL10 MG/M3 PARTICULATE

ACGIH TLV: 10 MG/M3, FUME; 9394

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:INGEST:GETS HOT AS ADSORBS

WATER.PROLONG CONTACT RESULTS IN BURNS TO MOIST BODY

TISSUES.INHAL:MAY CAUSE NOSE/THROAT IRRIT ACCOMPANIED BY

COUGH/CHEST DISCOMFORT.SKIN:MAY CAUSE IRRIT,BURN.EYE:MAY CAUSE

DISCOMFORT &/OR IRRIT,REDNESS OF CONJUNCTIVA.CHRONIC:PROLONGED

INHAL MAY CAUSE LUNG DAMAGE.

Explanation of Carcinogenicity:PER MSDS:CARCINOGENIC

ASSESSMENT:NTP/IARC/OTHERS:NONE CURRENTLY KNOWN.

Effects of Overexposure:INGEST:BURNS. SKIN:REDNESS, BURNS.

INHAL:NOSE/THROAT IRRIT, COUGH, CHEST DISCOMFORT. EYE:DISCOMFORT,

IRRIT, EXCESS REDNESS OF CONJUNCTIVA.

Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY AGGRAVATE

ASTHMA & INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

## First Aid

First Aid:INGEST:IF IN LG QUANTITIES DRINK 2 GLASSES OF WATER. CONTACT

DR FOR PERMISSION TO INDUCE VOMIT.SKIN:WASH

W/SOAP/WATER.INHAL:REMOVE TO FRESH AIR.EYE:FLUSH W/WATER FOR

15MINS.NOTE TO DR:PROD IS A DESICC ANT & GENERATES HEAT AS IT

ADSORBS WATER.USED PRODUCT CAN CONTAIN MATL OF HAZ NATURE.IDENTIFY

THAT MATL & TREAT SYMPTOMATICALLY.

## Fire Fighting

Flash Point:DOES NOT BURN

Extinguishing Media:UNUSED MATL WILL NOT BURN. USE MEDIA APPROPRIATE  
FOR SURROUNDING FIRE.

Fire Fighting Procedures:DEPENDS ON USE OF MATL.USED MATL MAY CONTAIN  
PROD OF HAZ NATURE.USER OF THIS PRODUCT MUST IDENTIFY HAZ OF  
RETAINED MATL & INFORM FIRE FIGHTERS OF THESE HAZ.

Unusual Fire/Explosion Hazard:IN FRESH UNUSED STATE MOLEULAR SIEVES NOT  
FLAMM.WHEN EXPO TO WATER CAN GET QUITE HOT.WHEN 1ST WETTED CAN HEAT  
TO BP OF WATER.FLOODING WILL REDUCE TEMP SAFE LIM

## Accidental Release

Spill Release Procedures:SWEEP SPILL AREA. COLLECT & PLACE SPILLED MATL  
IN WASTE DISPOSAL CONTAINER. AVOID RAISING DUST.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:AVOID BREATH DUST/EYE/SKIN CNTCT.MATL  
HAS EXT LOW ORDER OF TOX BY INGEST.PROCESS DESIGNERS/EQPMT  
FABRICATORS READ M-1001 FROM UOP RESPRESENTATIVES.

Other Precautions:BEFORE HANDLING/USING READ/UNDERSTAND CURRENT MSDS  
FOR MATL & WHEN APPROPRIATE ALSO READ SAFETY BOOKLET M-1001.OPEN  
CNTNR SLOWLY.USE W/ADEQUATE VENTILATION.DO NOT PUT IN MOUTH OR POUR  
LIQ INTO PRODUCT .BURNS CAN RESULT.

## Exposure Controls

Respiratory Protection: NIOSH/MSHA APPROVED RESP FOR PROTECTION AGAINST DUST/MIST/VAPOR IS RECOMMENDED FOR OPERATIONS WHEN PERMISSIBLE EXPOSURE LIMIT MIGHT BE EXCEEDED.

Ventilation: LOCAL EXHA: RECOMMENDED FOR OPERATIONS WHERE PEL MIGHT BE EXCEEDED.

Protective Gloves: USE GLOVES TO AVOID PROLONG SKIN CONTACT

Eye Protection: SAF GLASS, GOGG PER OSHA 29CFR1910.133.

Other Protective Equipment: SELECT IN ACCORDANCE W/OSHA 1910.132 & 1910.133.

Work Hygienic Practices: WASH HANDS AFTER HANDLING.

Supplemental Safety and Health

SPEC GRAV: 1.1 (PIECE), 2.1 (CRYSTAL). PH: AQU SLURRY 8-11. HAZ DECOMP

PROD: MOLECULAR SIEVE ITSELF DOESN'T READILY DECOMP UNLESS SUBJ TO EXT TEMP/CHEM CONDITIONS THEN IT WOULD INCLUDE MIX OF OXIDES IN ING REDS.

## Chemical Properties

HCC: V7

Spec Gravity: SUPPLEMENTAL

pH: SUPPLE

Appearance and Odor: TAN PELLETS, TRISIV GRANULES (IE MESH), BEADS OR WHITE POWDER OR CAKE, ODORLESS.

## Stability

Stability Indicator/Materials to Avoid: YES

SUDDEN CONTACT W/HIGH CONC OF CHEMICALS HAVING HIGH HEATS OF ADSORPTION SUCH AS OLEFINS, HCL, ETC.

Stability Condition to Avoid: ADDITION OF MOISTURE (WATER) W/O FLOODING CAN CAUSE RISE IN TEMP FRM HEAT OF ADSORPTION-CONTACT W/SKIN MIGHT RESULT IN BURN

Hazardous Decomposition Products: HYDROCARBONS, OTHER MATL THAT CONTACT SIEVE DURING NORMAL USE CAN BE RETAINED. HA DECOMP PROD FROM RETAINED MATL. (SEE SUP)

## Disposal

Waste Disposal Methods: DISCARD ANY PROD (INCLUDING RETAINED MATLS OF USE), DISPOSABLE CNTNR/LINER IN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE W/FED/STATE/LOC REGS. RCRA HAZ WASTE NO: NOT FED REG.

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