View NSN Online: https://aerobasegroup.com/nsn/6850-00-159-4466

Product ID:FORMED MOLECULAR SIEVE

MSDS Date:07/20/1998

FSC:6850

NIIN:00-159-4466

Status Code:A

MSDS Number: CKXNY === Responsible Party ===

Company Name: GRACE WR AND CO

Address:7500 GRACE DRIVE

City:COLUMBIA

State:MD ZIP:21044 Country:US

Info Phone Num:410-531-4000 OR 410-531-4323

Emergency Phone Nu

m:410-531-4764; 301-874-2009

Resp. Party Other MSDS Num.: REF. NO. 2501

CAGE:1L2Z7

=== Contractor Identification ===

Company Name: DAVISON CHEMICAL DIVISION OF WR GRACE & COMPANY

Address:5500 CHEMICAL RD

Box:City:BALTIMORE

State:MD

ZIP:21226-1698

Country:US

Phone:410-354-8954

CAGE:7U659

Company Name: GRACE W R AND CO

Address:7500 GRACE DRIVE

Box:City:COLUMBIA

State:MD ZIP:21044 Country:US

Phone:410-531-4000 OR 410-531-4323

Contract Num:SP0450-01-M-D499

CAGE:1L2Z7

====== Composition/Informa

tion on Ingredients =======

Ingred Name:SODIUM OXIDE

CAS:1313-59-3

OSHA PEL:NOT LISTED ACGIH TLV:NOT LISTED

Ingred Name: CALCIUM OXIDE

CAS:1305-78-8

RTECS #:EW3100000 OSHA PEL:5 MG/M3 ACGIH TLV:2 MG/M3

Ingred Name:POTASSIUM OXIDE

CAS:12136-45-7

OSHA PEL:NOT LISTED ACGIH TLV:NOT LISTED

=========== Hazards Identification ==========================

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER

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

Health Hazards Acute and Chr

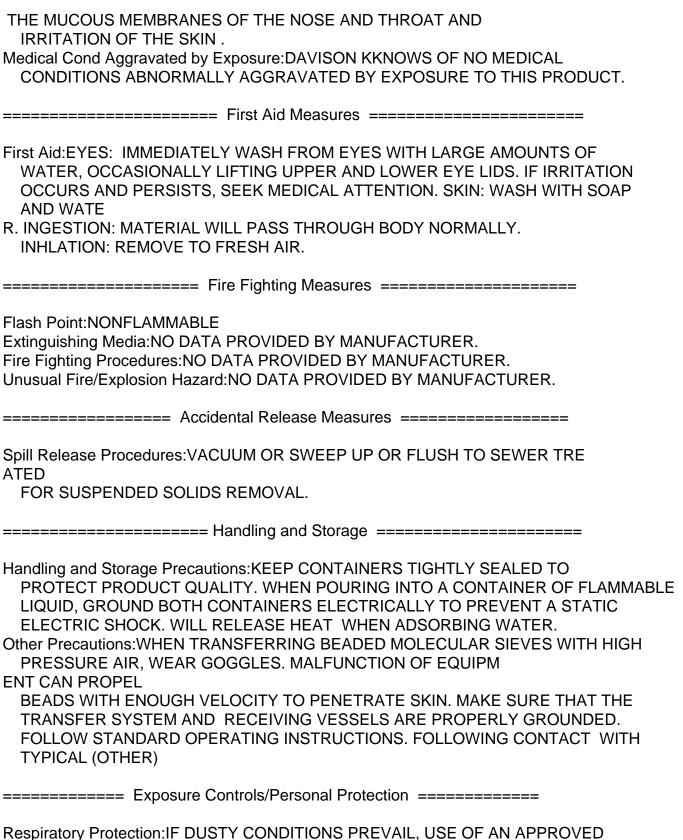
onic:MOLECULAR SIEVES ARE NON-FIBROUS,

SYNTHETIC ALUMINOSILCATES (ZEOLITES) NOT TO BE CONFUSED WITH NATURAL ZEOLITES. ALL STUDIES TO DATE INDICATE THAT THEY DO NOT CAUSE SIGNIFIGANT HEALTH PROBLEMS. WHEN A CTIVATED, MOLECULAR SIEVES ACT AS A DESSICANT AND CAN CAUSE DRYING IRRITATION OF THE MUCOUS MEMBRANES AND SKIN IN CASES OF SEVERE EXPOSURE. THE AVERAGE CONCENTRATION OF QUARTZ IN THIS MATERIAL IS LESS THAN 2% (MAXIMUM IS = 3.0). THE PRIMARY ROUTE OF ENTRY IS INHALA

TION.

Explanation of Carcinogenicity:THE MOST RECENT IARC CLASSIFICATION OF CRYSTALLINE QUARTZ IS THAT CRYSTALLINE SILICA INHALED IN THE FORM OF QUARTZ OR CRISTOBALITE FROM OCCUPATIONAL SOURCES IS CARCINOGENIC TO HUMANS (GROUP 1). QUARTZ CAN CAUSE CANCER, SILICOSIS OR OTHER FIBROTIC LUNG DISEASE WITH PROLONGED EXPOSURE.

Effects of Overexposure:AVOID PROLONGED BREAHING OF THE DUST OR CONTACT OF DUST WITH THE SKIN. THE DRYING ACTION OF THIS MATERIAL CAN CAUSE IRRITATION OF



Respiratory Protection:IF DUSTY CONDITIONS PREVAIL, USE OF AN APPROVED NIOSH/MSHA DUST MASK IS RECOMMENDED.

Ventilation:NO DATA PROVIDED BY MANUFACTURER.

Protective Gloves:LOOSE WEAVE COTT

ON GLOVES. Eye Protection: WHEN TRANSFERRING BEADED MOLECULAR SIEVES WITH HIGH PRESSURE AIR, WEAR GOGGLES. Other Protective Equipment: FITS USE REQUIRES MAUNAL HANDLING, WEAR LOONG SLEEVES AND CLOSE-WEAVE COTTON GLOVES WITH TIGHT-FITTING WRISTLETS. Work Hygienic Practices: NO DATA PROVIDED BY MANUFACTURER. Supplemental Safety and Health NO DATA PROVIDED BY MANUFACTURER. ======== Physical/Chemical Properties ============= HCC:B3 Spec Gravity:2.1 pH:10.3-10.5 SLRRY Sol ubility in Water: INSOLUBLE Appearance and Odor: WHITE, GRAY, OR TAN, BEADS; ODORLESS ======== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES REACTS WITH HF AND STRONG ACIDS OR ALKALI. Stability Condition to Avoid:NO DATA PROVIDED BY MANUFACTURER. Hazardous Decomposition Products:NO DATA PROVIDED BY MANUFACTURER.

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

Toxicological Information: ANIMAL TOXICOLOGY: TESTS ON NA2OX-T YPE SIEVES

GAVE THE FOLLOWING RESULTS: 1-HOUR LC50 (RAT) > 2.8 G/L. 48-HOUR ORAL LD50 (RAT) EST. > 31,600 MG/KG. 48-HOUR DERMAL LD50 (RABBIT) EST. > 2,000 MG/KG. NO T CONSIDERED AN OCULAR IRRITANT. TESTS FOR FDA APPROVAL FOR USE IN FOOD: NOT A FOOD GRADE PRODUCT.

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

Ecological: NOT KNOWN TO HAVE ANY ADVERSE EFFECT ON THE AQUATIC ENVIRONMENT WHEN PROPERLY DISPOSED. INSOLUBLE AND NONTOXIC.

Disposal Considerations ============
Waste Disposal Methods:LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. COVER TO AVOID BLOWING OF DUST.
======== MSDS Transport Information ==========
Transport Information:DOT: NOT CLASSIFIED AS A HAZARDOUS MATERIAL.
========= Regulatory Information ===========
SARA Title III Information:THIS PRODUCT CONTAINS NO TOXIC CHEMICALS IN EXCESS OF THE APPLICABLE DE MINIMIS CONCE NTRATIONAS SPECIFIED UNDER 313 OF TITLE III SARA. Federal Regulatory Information:OSHA: PEL: MOLECULAR SIEVE-NOT LISTED IN 29 CFR 1910.1000. NIOSH: NOT INCLUDED ON THE LIST OF SUBSTANCES REQUIRING TOXICITY STUDIES. ACGIH: TLV: MOLECULAR SIEVE-NOT LISTED IN ACGIH-TLV'S. USDA: NOT AP PLICABLE. FDA: NOT APPLICABLE.
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.
============ Other Information ==============
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