

THERMAL CERAMICS -- KAOWOOL -- 5640-01-070-9688

=====
Product Identification
=====

Product ID:KAOWOOL
MSDS Date:11/15/1993
FSC:5640
NIIN:01-070-9688
Status Code:A
MSDS Number: CLBLF
=== Responsible Party ===
Company Name:THERMAL CERAMICS
Address:P.O. BOX 923 MS 300
City:AUGUSTA
State:GA
ZIP:30903
Country:US
Info Phone Num:800-722-5681
Emergency Phone Num:0000000000
CAGE:0UHC8
=== Contractor Identifi-
fication ===
Company Name:THERMAL CERAMICS
Address:P.O. BOX 923 MS 300
Box:City:AUGUSTA
State:GA
ZIP:30903
Country:US
Phone:800-722-5681
CAGE:0UHC8

=====
Composition/Information on Ingredients
=====

Ingred Name:REFACTORIES, FIBERS, ALUMINOSILICATE
CAS:1332-21-4
RTECS #:CI6475000
Minumum % Wt:95.
Maxumum % Wt:100.
OSHA PEL:15 MG/M3
ACGIH TLV:5 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

Reports of Carcinogenici

ty:NTP:UNKNOWN IARC:YES

Health Hazards Acute and Chronic:DUST AND RESPIRABLE FIBERS FROM THIS PRODUCT MAY AGGRAVATE EXISTING CHRONIC LUNG CONDITIONS SUCH AS BRONCHITIS, EMPHYSEMA AND ASTHMA. TARGET ORGANS: EYES, SKIN, RESPIRATORY SYSTEM AND LUNGS. UPPER RESPIRATORY PHYSICAL IRRITATION. IRRITATION AND INFLAMMATION TO THE EYES ON CONTACT AND TO THE SKIN ON PROLONGED CONTACT.

Explanation of Carcinogenicity:RFC ALONG WITH FIBEROUS GLASSWOOL AND MINERAL WOOL AS POSSIBLE HUMAN CARCINOGENS.

Effects of Overexposure:EYE CONTACT: PHYSICAL IRRITATION AND INFLAMMATION. SKIN CONTACT: PHYSICAL IRRITATION AND RASH. INGESTION: MAY CAUSE TEMPORARY IRRITATION TO THE GASTROINTESTINAL TRACT. INHALATION: IRRITATION OR SORENESS IN THROAT, NOSE AND RESPIRATORY TRACT.

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

First Aid:EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. DO NOT RUB EYES. SKIN CONTACT: WASH AFFECTED AREA

GENTLY WITH SOAP AND WATER. SKIN CREAM OR LOTION AFTER WASHING MAY BE HELPFUL. INGESTION: DO NOT INDUCE VOMITING, DRINK PLENTY OF WATER. INHALATION: REMOVE AFFECTED PERSON TO CLEAN FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES IF SYMPTOMS PERSIST.

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

Extinguishing Media:NON COMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE IN THE SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FULL BUNKER GEAR INCLUDING POSITIVE PRESSURE SCBA.

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

Spill Release Procedures:AVOID CREATING AIRBORNE DUST. FOLLOW ROUTINE HOUSEKEEPING PROCEDURES. VACUUM ONLY WITH HEPA FILTERED EQUIPMENT. IF SWEEPING IS NECESSARY USE A DUST SUPPRESSANT AND PLACE MATERIAL IN CONTAINERS. DO NOT USE COMPRESSED AIR. PERSONNEL SHOULD WEAR GLOVES AND APPROVED RESPIRATOR. AVOID CLEAN-UP PROCEDURES THAT COULD RESULT IN WATER POLLUTION.

=====

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

Handling and Storage Precautions:THIS PRODUCT IS STABLE UNDER ALL CONDITIONS OF STORAGE. STORE IN ORIGINAL FACTORY CONTAINER IN A DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE. FOLLOW ALL MSDS/LABEL PRECAUTIONS.

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

Respiratory Protection:IF NEEDED USE APPROVED RESPIRATOR. SEE HARD COPY MSDS FOR SPECIFIC APPLICATIONS.

Ventilation:YES

Protective Gloves:YE

S

Eye Protection:GOGGLES SAFETY GLASSES WITH SIDESHIELDS

Other Protective Equipment:LONG SLEEVED SHIRTS, PANTS AND HAT.

Work Hygienic Practices:WASH EXPOSED CLOTHING SEPERATELY FROM OTHER CLOTHING AND RINSE WASHER THROUGHLY.

Supplemental Safety and Health

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

Melt/Freeze Pt:>1760.C, #####F

M.P/F.P Text:>3200 F (1768C)

Spec Gravity:2.50-2.70

Solubility in Water:NOT SOLUABLE

Appearance and Odor:WHITE ODORLESS WOOL-LIKE FIBEROU

S MATERIAL

Percent Volatiles by Volume:0

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

HYDROFLURIC ACID, PHOSPHORIC ACID, STRONG ALKALIES.

===== **Toxicological Information**=====

Toxicological Information:A STATISTICAL TREND WAS OBSERVED IN THE EXPOSED POPULATION BETWEEN THE DURATION OF EXPOSURE TO RFC AND A DECREASED IN SOME MEASURES OF PULMONARY FUNCTION.THESE OBSERVATIONS ARE CLINICALLY INSIGNIFICAN T.IN OTHER WORDS IF THESE OBS

ERVATIONS

WERE MADE ON AN INDIVIDUAL EMPLOYEE THE RESULTS WOULD BE INTERPUTED AS BEING WITHIN NORMAL RANGE. PLEURAL PLAQUES HAVE BEEN OBSERVED IN A SMALL NUMBER OF EMPLOYEE ES WHO HAD A LONG DURATION OF EMPLOYMENT.THER ARE SEVERAL OCCUPATIONAL AND NON-OCCUPATIONAL CAUSES FOR PLEURAL PLAQUE.IT SHOULD BE NOTED THAT PLAQUES ARE NOT PRE-CANCER NOT ARE THEY ASSOCIATED WITH AN Y MEASURABLE EFFECT ON LUNG FUNCTION.

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

Waste Disposal Methods:TO PREVENT WASTE FIBERS BECOMING AIRBORNE A COVERED CONTAINER OR PLASTIC BAGGING IS RECOMMENDED. COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. LANDFILL. CHEMICAL ADITIONS PROCESSING OR OTHERWISE A LTERING THIS MATERIAL MAY MAKE THE WASTE MANAGEMENT INFO PRESENTED IN THIS MSDS INCOMPLETE, INACCUR ATE OR OTHERWISE INAPPROPIATE.

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

State Regulatory Information:CALIFORNIA PROP 65: CERMAIC FIBERS.

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

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.