

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 Identification ===  
Company Name:THERMAL CERAMICS  
Address:P.O. BOX 923 MS 300  
Box:City:AUGUSTA  
State:GA  
ZIP:30903  
Country:US  
Phone:800-722-5681  
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===== 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.

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===== 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:YES

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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 FIBEROUS

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 INSIGNIFICANT.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 =====

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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 =====

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