

FRANCE J H REFRACTORIES CO -- FRANCO A -- 9350-00-229-4175

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

Product ID:FRANCO A

MSDS Date:06/30/1997

FSC:9350

NIIN:00-229-4175

MSDS Number: CFKQP

=== Responsible Party ===

Company Name:FRANCE J H REFRACTORIES CO

Address:1956 FRANCE RD

City:SNOW SHOE

State:PA

ZIP:16874

Country:US

Info Phone Num:814-355-5076

Emergency Phone Num:814-355-5076

CAGE:07316

=== Contracto

r Identification ===

Company Name:FRANCE J H REFRACTORIES CO

Address:1956 FRANCE RD

Box:City:SNOW SHOE

State:PA

ZIP:16874

Country:US

Phone:814-355-5076

CAGE:07316

Company Name:THURSTON C E AND SONS INC

Address:2605 COFER RD

Box:24717

City:RICHMOND

State:VA

ZIP:23224

Country:US

Phone:804-231-4436

CAGE:7A143

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

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA 313)

CAS:1344-28-1

RTECS #:BD1200000

Other REC Limits:NONE RECOMMENDED

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SHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.1 MG/M3 RDUST;9596

Ingred Name:SILICA, CRYSTALLINE - CRISTOBALITE
CAS:14464-46-1
RTECS #:VV7325000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.05 MG/M3 RDUST9596

Ingred Name:SILICA, CRYSTALLINE - FUSED
CAS:60676-86-0
RTECS #:VV7328000
Other REC Limits:NONE RECOMMENDED
OSHA P
EL:SEE TABLE Z-3
ACGIH TLV:0.1 MG/M3 RDUST;9596

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:AS MANUFACTURED, POSES NO SIGNIFICANT
HAZARD. PARTICULATES FORMED DURING PROCESSING MAY CAUSE: EYES-
SLIGHT TO MODERATE IRRITATION. SKIN- SLIGHT IRRITATION. INHLATION-
SLIGHT TO MODERATE IRRITATION OF MUCOUS MEMBRANES. INGE
STION-
UNLIKELY.IF HAPPENS, MAY CAUSE GASTROINTESTINAL DISTURBNCES.
CHRONIC: SILICOSIS.
Explanation of Carcinogenicity:IARC- CRYSTALLINE SILICA, GROUP 1
CARCINOGEN. NTP- CRYSTLLINE SILICA AS REASONABLY ANTICIPATED TO BE
A CARCINOGEN.
Effects of Overexposure:EYES- TEMPORARY IRRITATION. SKIN- TEMPORRY
IRRITATION. INHALATION- TEMPORARY IRRITATION TO MUCOUS MEMBRANES.
INGESTION- TEMPORARY IRRITATION.
Medical Cond Aggravated by Exposure:PREEXISTING DISEASES OR OTHER
CON

DITIONS OF THE LUNGS, SKIN, EYES, AND OTHER MUCOUS MEMBRANES.
EXPOSURE IN CONJUNCTION WITH OTHER POTENTIAL CARCINOGENS (SUCH AS
CIGARETTE SMOKING) IS SYNERGISTIC.

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

First Aid:EYES- IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF RUNNING WATER
AS NEEDED. SKIN- WASH AREA WITH SOAP AND WATER. INHALATION-
IMMEDIATELY REMOVE VICTIM FROM THE DVERSE ENVIRONMENT TO FRESH AIR
AND SEEK MED ICAL ATTENTION. INGESTION- GIVE 1-
2 GLASSES OF WATER
OR MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
LEAVE DECISION TO INDUCE VOMITING FOR A DOCTOR.

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

Extinguishing Media:AS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:AS APPROPRIATE FOR SURROUNDING FIRE.
GENERALLY, FIRE FIGHTERS SHOULD WEAR FULL TURNOUT (BUNKER) GEAR AND
FULL RESPIRTORY PROTECTION (SCBA GEAR).

===== Accidental Release Measures =====
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Spill Release Procedures:CLEAN UP USING METHODS WHICH AVOID DUST
GENERATION. IF A VACUUM IS USED, EXHUST AIR SHOULD BE FILTERED BY
A HIGH-EFFICIENCY PARTICULATE AIR (HEPA) FILTER. DO NOT USE
COMPRESSED AIR TO CLEAN UP SPILLS .

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

Handling and Storage Precautions:STORE IN A DRY AREA. MINIMIZE DUST
GENERATION AND AVOID INHALATION AND CONTACT WITH DUSTS.
Other Precautions:NONE

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

Respiratory Protection:USE AN APPROPRIATE NIOSH/MSHA APPROVED
RESPIRATOR IF AIRBORNE CONTAMINANT CONCENTRATIONS EXCEED APPLICABLE
OSHA OR ACGIH LIMITS.

Ventilation:USE LOCAL AND/OR GENERAL DILUTION VENTILATION, AS NEEDED,
TO REDUCE EMPLOYEE EXPOSURES.

Protective Gloves:NONE

Eye Protection:SAFETY GLASSES, DUST-PROOF

Other Protective Equipment:CLOTHING WHICH MINIMIZES SKIN EXPOSURE.

Work Hygienic Practices:USE GOOD PERSONAL HYGIENE WHEN HAN

DLING THIS

PRODUCT. WASH HANDS AFTER USE, BEFORE SMOKING, OR BEFORE USING THE TOILET.

Supplemental Safety and Health

NONE

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

HCC:N1

Spec Gravity:2.5

Solubility in Water:INSOLUBLE

Appearance and Odor:TAN/BROWN SOLID WITH NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS AND STRONG ALKALIS MAY ATTACK PRODUCT.

===== Disposa

l Considerations =====

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING DISPOSAL.

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