

LAVA CRUCIBLE-REFRACTORIES CO -- Lavalloy 40M -- 9350-00-082-0665

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

Product ID:Lavalloy 40M  
MSDS Date:11/14/1985  
FSC:9350  
NIIN:00-082-0665  
MSDS Number: BYHHB  
=== Responsible Party ===  
Company Name:LAVA CRUCIBLE-REFRACTORIES CO  
Box:278  
City:ZELIENOPE  
State:PA  
ZIP:16063  
Country:US  
Info Phone Num:412-452-6050  
CAGE:3N051

==== Contractor Identification ====

Company Name:  
AJAX MAGNETHERMIC CORP  
Box:UNKNOW  
CAGE:01179  
Company Name:LAVA CRUCIBLE-REFRACTORIES CO  
Box:278  
City:ZELIENOPE  
State:PA  
ZIP:16063  
Country:US  
Phone:412-452-6050  
CAGE:3N051

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

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA 313)  
CAS:1344-28-1  
RTECS #:BD1200000  
Fraction by Wt: 10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:SILICA, CRYSTALLINE - QUARTZ (MFR GAVE CAS#

631-86-2-INVALID PER BASE 10 CHECK)  
CAS:14808-60-7  
RTECS #:VV7330000  
Fraction by Wt: 0.3%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE TABLE Z-3  
ACGIH TLV:0.1 MG/M3 RDUST;9495

Ingred Name:SODIUM SILICATE  
CAS:1344-09-8  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Ca

rcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: CONTACT MAY CAUSE SKIN IRRITATION AND BURN THE EYES. INHALATION MAY CAUSE BURNS TO RESPIRATORY TRACT. INGESTION MAY CAUSE BURNS TO GI TRACT. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED-SNEEZING, WHEEZING, SHORTNESS OF BREATH, BURNING SENSATION IN CHEST. SKIN-IRRITATION. EYES-PAIN, BURNING SENSATION, REDNESS, TEARING, SWELLING. INGESTED-BURNING SENSATION IN MOUTH/THROAT/STOMACH, STOMACH PAIN, NAUSEA, VOMITING.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALED-GET IMMEDIATE MEDICAL ATTENTION. REMOVE FROM EXPOSURE TO FRESH AIR. INGESTED-DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE LOTS OF A WATER SOLUTION W/1

PART VINEGAR TO 1 PART WATER. GET

IMMEDIATE MEDICAL ATTENTION. SKIN-FLUSH WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. EYES-IMMEDIATELY FLUSH EYES WITH LOTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:PRODUCT WILL NOT BURN. DLA-HMIS: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS: WEAR SELF-CONTAINED BR

EATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:SWEEP, SCOOP OR VACUUM DISCHARGED MATERIAL. FLUSH RESIDUE WITH WATER. OBSERVE ENVIRONMENTAL REGULATIONS.

Neutralizing Agent:DILUTE ACID (5% ACETIC ACID SOLUTION).

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

Handling and Storage Precautions:RETAIN DRY EXCESS IN CLOSED SHIPPING CONTAINER OR D

RUM. KEEP DRY FOR STORAGE.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAI

N EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS A RUBBER APRON.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:3002F,1650C

Spec Gravity:2.12

Solubility in Wate

r:MODERATE

Appearance and Odor:GRAY, DRY POWDER; NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

NONE.

Stability Condition to Avoid:DUSTY CONDITIONS.

Hazardous Decomposition Products:WATER VAPOR.

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

Waste Disposal Methods:NEUTRALIZE WITH DILUTE ACID AND LANDFILL SOLIDS.

FLUSH NEUTRALIZED LIQUIDS TO SEWER. DISPOSE OF IAW LOCAL, STATE AND  
FEDERAL REGULATIONS.

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.