

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:ZELIENOPLE  
State:PA  
ZIP:16063  
Country:US  
Info Phone Num:412-452-6050  
CAGE:3N051  
=== Contractor Identification ===  
Company Name:  
AJAX MAGNETHERMIC CORP  
Box:UNKNOWN  
CAGE:01179  
Company Name:LAVA CRUCIBLE-REFRACTORIES CO  
Box:278  
City:ZELIENOPLE  
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 SEN  
SATION IN CHEST. SKIN-IRRITATION. EYES-PAIN,  
BURNING SENSATION, REDNESS, TEARING, SWELLING. INGESTED-BURNING  
SENSATION IN MOUTH/THROAT/STOMA CH, 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 INDUUCE 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 BREATHING 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 DRUM. 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 MAINTAIN 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 Water

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.

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