



PRODUCT DATA SHEET

Current: July 1998

Supersedes: November 1994

ASBURY FLUXMASTER

MARCOTE 7

ASBURY FLUXMASTER Marcote 7 is a water-based refractory coating for coating skimmers, metal lades, and sow molds.

PREPARATION: ASBURY Marcote 7 should be dispersed in water at a concentration of approximately:

1 part Marcote 7 to 1.5 parts water.

Many users find it convenient to add a 50 pound bag to 10 gallons of water.

Marcote can be mixed with more water to product a lighter coating which may be desirable for areas where repeated applications are required.

APPLICATION: ASBURY Marcote 7 produces a firm surface that forms an insulating and protective barrier between the molten metal and the tools and molds. When spraying or brushing, preheat the tool or mold to about 200 degrees F. before applying the wash. The tools and molds should be thoroughly dried before the molten metal is allowed to come into contact with the coated surface.

PACKAGING: Available in 50-lb. bags and 400-lb. drums.



MATERIAL SAFETY DATA SHEET

ASBURY FLUXMASTER OF UTAH
2855 Franklin Canyon Road
Rodeo, CA 94572
PHONE: 510-799-3636

EMERGENCY TELEPHONE
800-424-9300 CHEMTREC
Revised 1/1/00 MSDS #09

PRODUCT IDENTIFICATION

Chemical name: Refractory powder blend
Chemical Family: Blended mineral compounds
Formula: Blend
Trade name: Marcote 7, #798 Thermcoat

CONSTITUENTS

% of Mix	Name	CAS #	OSHA Pel	ACGIH tlv
0-10	Iron Oxide Fe ₂ O ₃	1309-37-1	10 ⁽¹⁾ /5 ⁽²⁾	10
50-80	Talc (MgAlSiO ₂ +MgSiO ₂)	14807-96-6	2.0	2.0
10-30	Calcium Carbonate Ca ₂ CO ₃	471-34-1	10 ⁽¹⁾ /5 ⁽²⁾	10
0-6	Sodium Silicate Na ₂ SiO ₃	1344-09-8		
>1	Crystalline Silica SiO ₂	14808-60-7	0.1	0.1

All values expressed in Mg/m³

¹ Total Dust² Respirable dust³ Recommended limit 2.0 mg/m³

PHYSICAL PROPERTIES

Freezing point: >2500 F⁰ **Vapor Pressure:** N/A
Melting point: >2500 F⁰ **Vapor Density:** N/A
Boiling Point: Not determined **Density (g/cc):** >2.5 g/cc
Sublimes: Not applicable **H₂O solubility:** <5% at 20⁰C
Evaporation: Not applicable **% Volatiles:** <0.2%
Appearance and odor: Pink to reddish powder. No appreciable odor.

File: MS_009_.doc

EXPLOSION AND REACTIVITY DATA

Flash point: Not applicable Flammable (explosive) limits: (Non Flammable)

LEL: N/A

UEL: N/A

Extinguishing media: Material is non-flammable and may be used as an extinguishing media.

Special Firefighting Procedures: None

Unusual Fire or Explosion Hazards: None

Reactivity Information: Contact with acid may generate CO₂ gas.

Incompatibility: Moderate to strong acids.

Hazardous Decomposition Products: None

HEALTH HAZARD INFORMATION/EMERGENCY PROCEDURES:

Inhalation: A common Route of Exposure: NIOSH approved respirators are recommended if engineering controls are not feasible or unable to maintain a concentration below that specified. If overexposed, remove victim to fresh air. Rinse mouth and nasal passages with water if the person is conscious.

Ingestion: Not a common route of exposure. If conscious, give victim large quantities of water and induce vomiting. Do not induce vomiting in an unconscious subject. Seek medical attention immediately.

Dermal: Wear gloves if prolonged or repeated contact is expected. If irritation is evident, wash the contaminated area repeatedly with water and a mild soap.

Eyes: Proper protective equipment is recommended at all times. Safety glasses should be worn at any time there is a reasonable probability of exposure. In the event of exposure, flush the eyes with large amounts of water, occasionally lifting the upper and lower lids. Seek medical attention.

Carcinogenic references: Crystalline silica may be present as a tramp element in concentrations above 0.1% and has been identified as a suspected human carcinogen/health hazard at this level.

IARC: Silica, Crystalline Group 2A

NTP: Yes

File: MS_009_.doc

ENVIRONMENTAL PROTECTION INFORMATION

In the event of a spill of powder or dust, cleanup should be conducted using a vacuum system with a high efficiency particulate air filtration system. Caution should be taken to minimize airborne generation of powder or dust and to avoid contamination of air and water.

State or federal regulations may require specific labeling, packaging, storage, transportation and disposal procedures. It is recommended to contact an Environmental Engineer or consultant familiar with the applicable waste disposal regulations.

SPECIAL PRECAUTIONS

Always wash thoroughly prior to eating or smoking. This product must be handled accordingly to the size, shape, and quantity of material involved. Drums may require use of hoists, cranes, etc.
STORE THIS MATERIAL IN A COOL DRY AREA.

DOT SHIPPING INFORMATION

This material is not regulated by the DOT for land transportation.

File: MS_009_.doc