

Material Safety Data Sheet

HMIS

Health Hazard	1*
Fire Hazard	0
Reactivity	0

*Indicates a chronic health hazard.

1 Product & Company Identification

Manufacturer's Name: Alsey Refractories Company
 Highway 106
 Alsey, IL 62610
 Phone: 314-963-7900

Product Name: Merlot Red
 Product Type: Firebrick Stain & Color Enhancer

2 Hazards Identification

Potential Health Effects	Acute	Chronic
Eyes	Eye watering, irritation and reddening.	None known.
Skin	Skin may experience some irritation with repeated and prolonged exposure. No known absorption health risks.	None known. May develop skin allergy from long and repeated skin contact.
Inhalation	Inhalation of spray mist may irritate nasal passages.	None known
Ingestion	Ingestion may result in stomach pain or nausea.	None known.

Carcinogenicity: NTP Carcinogen: No IARC MONOGRAPHS: No OSHA REGULATED: No. Not known to contain any ingredients recognized as carcinogens by the National Toxicology Program (NTP), the International Agency for Cancer Research (IARC) or the Occupational Safety and Health Administration (OSHA).

This product is a blend of materials which has not been tested as a mixture. The health effect data is based on the individual components.

3 Composition/Information of Ingredients

Name	CAS-No	Weight %
Red Iron Oxide	001332-37-2	5-15%

4 First Aid Measures

Eye Contact: Flush with large quantities of fresh water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists after washing.

Ingestion: Keep calm and quiet. Get medical attention immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

5 Fire Fighting Measures

Extinguishing Media: Foam, Alcohol Foam, CO₂, Dry Chemical, Water fog

Precautions for Firefighters: Hazardous decomposition products may form from incomplete combustion. Wear full protection gear with self-contained positive pressure breathing apparatus. Use water spray to cool nearby containers and structures exposed to fire.

Unusual Fire & Explosion Hazards: Closed container can build pressure from heat and rupture violently. Keep cool with water. Product will not burn but may spatter if temperature exceeds boiling point of water. Dried solids can burn giving off hazardous decomposition products. After water evaporates, remaining material may burn.

6 Accidental Release Measures

Small/Large Spill: Use absorbent material to collect spill. Scoop into a container and dispose according to local regulations. In the event of a large transportation related spill or emergency call CHEMTREC at 1(800)424-9300.

7 Handling and Storage

Handling: Keep from freezing; product stability may be affected. Store in a cool, dry, and well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing.

Storage: Close container after each use.

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8 Exposure Controls and Personal Protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Red Iron Oxide (001332-37-2)	10mg/m ³ total dust	15mg/m ³ total dust; 5mg/m ³ respirable dust

Engineering Measures: Good general ventilation should be sufficient for most conditions. Use local exhaust if necessary to control mist or vapor.

Eye/Face Protection: Wear splash goggles or approved safety glasses. Do not wear contact lenses when working with chemicals. Contact lenses can trap chemical next to eye which may increase eye damage.

Skin and Body Protection: Use gloves impervious to liquid.

Respiratory Protection: Use NIOSH approved respirator in poorly ventilated areas.

Other Protective: An eye wash station and emergency shower should be available in case of emergency.

Work/Hygienic Practices: In handling any chemicals, personal hygiene is extremely important. Always wash your hands and face before eating or when done handling or using this product. Keep food and drink out of work areas.

9 Physical and Chemical Properties

Physical State:	Liquid	Odor:	Mild	Water Solubility:	Soluble	Flash Point:	n/a
Boiling Point/Range:	212	Density:	9.13lb/gl	Specific Gravity:	1.1 (H ₂ O=1)		
Vapor Density:	Heavier than air			Evaporation Rate:	Slower than ether		
Flammable Limits in Air by Volume:		Lower:	n/a	Upper:	n/a		
VOC as Supplied:	0.02lb/gl 3g/l	VOC Excluding EPA Exempt Solvents/Water:	.3lb/gl 36g/l				

Check with your state/local Air Quality regulatory agency to determine which VOC calculation you should use.

10 Stability and Reactivity

Stability:	Stable
Incompatible Products:	Strong oxidizing agents
Conditions to Avoid:	None known
Hazard Byproducts:	Carbon monoxide, carbon dioxide, may yield acrylic monomers. Hazardous polymerization will not occur.

11 Toxicological Information

See sections 2, 4, 8.

12 Ecological Information

Ecotoxicological/chemical fate information: not available

13 Disposal Considerations

Disposal of Product: Not a RCRA hazardous waste. Dispose of according to Federal, State, and local regulations. (NOTE: Industrial paint wastes that do not fall under RCRA are usually considered Special Wastes by local landfills. Contact your local landfill for disposal methods.) Dispose of waste according to Federal, State, and local regulations.

Packaging Disposal: Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warning and handle empty containers as if they were full.

14 Transport Information

U.S.A. DOT: (Ground):	Not regulated.	(Limited Quantities/Ground):	Not regulated.
IATA Shipping Description (Air):	Not regulated.		
IMDG Shipping Description (Waterways):	Not regulated.		

15 Regulatory Information

OSHA Classification:	Not regulated.
Clean Air Act:	Ozone Depleting Chemicals: Not known to contain or be manufactured with Class 1 or Class 2 Ozone Depleting Chemicals (ODC's)
RoHS Directive:	This product complies with the RoHS (Regulation of Hazardous Substances) Directive.

U.S. Federal Regulations

SARA 313/40 CFR 372:

This product contains no reportable materials at or above normal reporting levels

Clean Air Act Amendment Section 112 (HAPS):

This product contains no reportable materials at or above normal reporting levels



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16 Other Information

MSDS Status: Replaces all prior MSDS.

Note: This material safety data sheet contains confidential proprietary information and is not to be disclosed to the general public or to competition except as required by law. The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with Alsey Refractories Co. or not. This information is offered solely for use in your evaluation of this product in respect to safety, health, and environmental hazards.

End of MSDS