MATERIAL SAFETY DATA SHEET

Manufacturer's Name:

Masterchem®Industries, Inc.
3135 Old Highway M
Imperial, MO 63052
Company Code: MTER
Issue Date: February 8, 1999

Transportation Emergencies:
Call Chemtrec
1-800-424-9300
Emergency Telephone No.
1-800-325-3552
Medical Emergencies:
1-866-303-6951

NPCA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

RATING	IDENTIFICATION
4=EXTREME	HEALTH 2
3=HIGH	FLAMMABILITY 3
2=MODERATE	REACTIVITY 0
1=SLIGHT	CHRONIC HEALTH
0=MINIMAL	SEE SECTION V

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **Hammerite® -Smooth Bright Red Quick Dry Metal Finish**
PRODUCT NUMBER: 46210
PRODUCT CLASS: BRUSH GRADE PAINT

SECTION II A-HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE	LISTED AS A CARCINOGEN
			TLV	PEL		
1330-20-7	22.57	Xylene (Mixed Isomers)	100 ppm	100 ppm	9 mm Hg @ 25°C	No
67-64-1	4.42	Acetone	750 ppm	750 ppm	231 mm Hg @ 25°C	No
71-36-3	1.17	N-Butanol	50 ppm	50 ppm	6.3 mm Hg @ 25°C	No
64742-95-6	1.99	C_8 to C_{10} Aromatic Solvent	80 ppm	-	8 mm Hg @ 25°C	No
100-41-4	5.64	Ethyl Benzne	125 ppm	5 ppm	10 mm Hg @ 25°C	2B

SECTION II B - OTHER INGREDIENTS

68783-94-8	50-65	Styreneated Alkyd Copolymer	–	–	—	No
147-16-1	1-5	Quinarcidone Red Pigment	–	–	—	No
1309-37-1	1-5	Red Iron Oxide Pigment	–	–	—	No

SECTION III - PHYSICAL DATA

APPEARANCE: Red, Medium Viscosity Liquid	ODOR: Characteristic Aromatic Hydrocarbon
BOILING RANGE: 133°- 342° F	VAPOR DENSITY: ☒ HEAVIER LIGHTER THAN AIR
EVAPORATION RATE: FASTER ☒ SLOWER THAN ETHER	43.0% VOLATILE VOLUME: 8.37 POUNDS WT/GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA 1B	FLASH POINT: Less than 50°F PMCC	LEL: 1.0 UEL: 12.8	DOT: Consumer Commodity ORM-D Limited Quantity

EXTINGUISHING MEDIA:

DRY CHEMICAL ☒	ALCOHOL FOAM	WATER FOG	FOAM ☒	CO_2 ☒	OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. During emergency conditions, overexposure to combustion products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Vapors may be ignited by static electricity or friction sparks.

SPECIAL FIREFIGHTING PROCEDURES: Full protective equipment, including self-contained breathing apparatus, should be used to protect firefighters from any hazardous combustion products.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Inhalation: Anesthetic, irritation of the respiratory tract or acute nervous system depression characterized by the following progressive steps; headache, dizziness, staggering gait, confusion, unconsciousness, or coma. Skin or eye contact: Primary irritant.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Reports have associated repeated and prolonged occupation overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

PRIMARY ROUTE(S) OF ENTRY:

DERMAL ☒	INHALATION ☒	INGESTION ☒

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. If respiration has stopped restore breathing. Treat symptomatically. Consult a physician. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for medical treatment. Splash (skin); Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Ingestion: Drink 1 or 2 glasses of water to dilute. Do **not** induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE STABLE ☒

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR ☒

HAZARDOUS DECOMPOSITION PRODUCTS: May produce fumes when heated to decomposition, as in welding or fire. Fumes may contain: carbon monoxide, carbon dioxide, hydrocarbons and other products of combustion.

CONDITIONS TO AVOID: High temperatures or high humidities. Heat, sparks or open flame.

INCOMPATIBILITY: (MATERIALS TO AVOID) Peroxides or strong oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Limit spread of spill or leak. Remove all sources of ignition and ventilate area. Soak up with inert absorbent material. Use non-sparking tools when removing wet absorbent. See Section VIII for required protective measures. Keep material out of sewers and/or drains.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations. Dry paint and empty containers may be landfilled. Full or partially full containers should be treated as hazardous waste which requires disposal at an approved hazardous waste site or incinerator.

SECTION VIII-SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC 23C or Equivalent) or leave the area.

VENTILATION: Open doors and windows to provide ventilation of sufficient volume and pattern to keep air contaminant concentrations below occupational exposure limits as shown in Section II A.

PROTECTIVE GLOVES: Required, rubber or neoprene to prevent skin contact.

EYE PROTECTION: Use safety eyewear including slash guards or side shields.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing. Remove and wash contaminated clothing before re-use.

HYGIENIC PRACTICES: Wash hands before eating or using the washroom. Smoke in smoking areas only.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store away from extreme heat, fire, or open flame. Store in accordance with OSHA 1910.106. Store in well ventilated areas.

OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. Avoid breathing vapors. Avoid contact with skin and eyes. Store away from any source of ignition. Keep containers tightly closed and in an upright position to prevent leakage. Do not remove or deface label. Keep out of the reach of children.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The product is no more hazardous than its component parts pursuant to 29CFR 1910.1200 (D). The technical information on this MSDS sheet is based upon information submitted by manufacturers and additional information furnished by distributor's chemical suppliers and manufacturers. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

PREPARED BY: Mr. William R. Benton	DATE PREPARED: May 7, 2003
NAME AND TITLE: W.R. Benton, MSDS Coordinator	SUPERSEDES: August 15, 2000 S-RED-B

(Signature Available upon Request)