



B500-0055 Master Color Red

# MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group  
3194 Hickory Boulevard  
Hudson, North Carolina 28638  
828-728-8266

EMERGENCY PHONE (CHEM TREC): ..... 1-800-424-9300  
FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. .... 1-703-527-3887 (collect)

**Health: 2                      Flammability: 3                      Reactivity 0**

**PRODUCT NAME: B500-0055 Master Color Red**

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE:	19/02/02
SUPERCEDES:	None
MSDS NO.	B500-0055
OSHA HAZ. CLASS:	Eye irritant. Neurotoxin - may cause nervous system damage. Mucous membrane (respiratory tract) irritant.

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Xylene	11-20	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Hydrotreated distillate, light	1-10	68410-97-9	No PEL established
Ethylbenzene	1-10	100-41-4	100 ppm TWA; 435 mg/m3 TWA
1-Methoxy-2-hydroxypropane	1-10	107-98-2	No PEL established
1,2,4 -trimethylbenzene	<1	95-63-6	No PEL established
Carbon Black	<1	1333-86-4	3.5 mg/m3 TWA
Crystalline Silica	<1	14464-46-1	see Table Z-3
Quartz	<1	14808-60-7	see Table Z-3

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Inhalation., Skin contact., Eye contact., Ingestion., Absorption.

**Medical Conditions Aggravated:** Skin disease including eczema and sensitization. Respiratory disease including asthma and bronchitis. Eye disease. Digestive tract disease. Liver disease. Kidney disease.

### Immediate (Acute) Health Effects

**Inhalation:** Causes respiratory tract irritation. Can cause severe central nervous system depression (including unconsciousness). Dust irritating to respiratory tract. Chronic lung disease (silicosis) and/or lung cancer may result from prolonged/repeated breathing of the dust of this material. Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

**Skin Contact:** Moderately irritating to the skin. Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

**Eye Contact:** Can cause mechanical irritation if dusts are generated. { Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

**Skin Absorption:** Toxic and may be harmful if absorbed through the skin; may produce target organ damage. { Can be absorbed through the skin but exposure must be extensive before adverse health effects occur. May cause irritation and minor systemic damage.

**Ingestion:** Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

**Target Organ Acute Toxicity:**

Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
Ethyl benzene	eyes, respiratory system, skin, CNS
Propylene glycol monomethyl ether	eyes, skin, respiratory system, CNS
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood
Carbon black	respiratory system, eyes, lymphatic cancer
Silica, crystalline	respiratory system, eyes (in animals: lung cancer)

**Long-Term (Chronic) Health Effects:**

**Carcinogenicity:** Contains a known human carcinogen.

**Reproductive and Developmental Toxicity:** A component in this product has been shown to cause birth defects and reproductive disorders in laboratory animals at doses that could be encountered in the workplace.

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

**Skin Contact:** May cause lingering affects but not likely to result in permanent damage if the exposure is eliminated. Prolonged or repeated contact may cause irritation.

**Eye Contact:** Upon prolonged or repeated contact, dust contact can cause mechanical irritation.

**Target Organ Chronic Toxicity:** Skin. Respiratory Tract. Eyes. Nervous System. Digestive Tract. Liver. Kidneys. Blood. Eyes. Skin. Nervous System. Respiratory Tract.

**Supplemental Health Hazard Information:** No additional health information available.

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**IV. FIRST AID**

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

**Eyes:** Seek medical advice if symptoms persist. { Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.

**Ingestion:** Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal. { Never give anything by mouth to an unconscious person. Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.

**Notes to MD:** No additional first aid information available.

## **V. FIRE FIGHTING MEASURES**

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### **Flammability Summary:**

**Flash Point:** -1C; 30F  
**Autoignition Temperature:** 460 deg. C  
**Upper Flammable/Explosive Limit, % in air:** 7.0 @ 77° F  
**Lower Flammable/Explosive Limit, % in air:** 1.1 @ 77° F

**Fire Hazards:** Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

**Extinguishing Media:** Carbon dioxide Dry chemical Water spray Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

**Fire Fighting Instructions:** Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

**Hazardous Combustion Products:** Carbon monoxide

## **VI. ACCIDENTAL RELEASE MEASURES**

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**Health Consideration for Spill Response:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

**Spill Mitigation Procedures**  
**General Methods:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

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## **VII. HANDLING AND STORAGE**

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**Handling:** Use spark-proof tools and explosion-proof equipment. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. Avoid contact with material. Minimize dust generation and accumulation.

**Storage:** Keep away from sources of ignition. Limit quantity of material stored. Avoid exposure to sunlight or ultraviolet (UV) light sources. Do not store near combustible materials. Keep container closed when not in use.

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## **VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT**

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**Engineering Controls:** Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Use process enclosures to control the level of dust in the air.

### **Protective Equipment**

**Respiratory Tract:** Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage should be implemented.

**Eyes:** Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

**Skin:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

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## **IX. PHYSICAL DATA**

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<b>Physical State:</b>	COLORED LIQUID
<b>Odor:</b>	STRONG SOLVENT
<b>Solids Vol %:</b>	42.1729
<b>Solids Wt %:</b>	47.7458
<b>Material VOC lbs/gal:</b>	4.0551
<b>Material VOC gms/l:</b>	486.983
<b>Weight per gallon:</b>	7.778

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## **X. STABILITY AND REACTIVITY**

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**Stability Information:** Stable.

**Conditions to Avoid:** Avoid: heat, sparks, flame and oxidizing agents. High temperatures.

**Chemical Incompatibility:** Strong oxidizing agents. Strong acids. Oxidizing materials. Metals.

**Hazardous Polymerization:** Hazardous Polymerization will not occur.

## **XI. TOXICOLOGICAL INFORMATION**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Xylene	1330-20-7	Inhalation LC50 Rat : 5000 ppm/4H; Oral LD50 Rat : 4300 mg/kg; Dermal LD50 Rabbit : >1700 mg/kg
Benzene, ethyl- 2-Propanol, 1-methoxy-	100-41-4 107-98-2	Oral LD50 Rat : 3500 mg/kg; Dermal LD50 Rabbit : 17800 uL/kg Inhalation LC50 Rat : 10000 ppm/5H; Oral LD50 Mouse : 11700 mg/kg; Dermal LD50 Rabbit : 13 gm/kg
Benzene, 1,2,4-trimethyl- Carbon black	95-63-6 1333-86-4	Inhalation LC50 Rat : 18 gm/m3/4H; Oral LD50 Rat : 5 gm/kg Oral LD50 Rat : >15400 mg/kg; Dermal LD50 Rabbit : >3 gm/kg

## **XII. ECOLOGICAL INFORMATION**

**Overview (for ingredients):** Highly/very toxic to fish and other water organisms.

**Ecological Toxicity Values:**

## **XIII. DISPOSAL CONSIDERATIONS**

**Waste Description for Spent Product:** The waste may be a listed and/or characteristic hazardous waste. Spent or discarded material is a hazardous waste.

**Disposal Methods:** Dispose of by incineration following Federal, State, Local, or Provincial regulations.

**Potential EPA Waste Codes:** If discarded, this product is considered a RCRA ignitable waste, D001.

### **Components Subject to USEPA Land Disposal Restrictions:**

Xylenes (o-, m-, p- isomers)	1330-20-7	14.97 %
Ethyl benzene	100-41-4	3.17 %

## **XIV. TRANSPORTATION INFORMATION**

**DOT** Paint 3 UN1263 PGII

## **XV. REGULATORY INFORMATION**

Toxic Substances Control Act (TSCA):

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	14.97
Ethyl benzene	SARA 313 Reportable:	100-41-4	3.17
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	0.39
Cumene	SARA 313 Reportable:	98-82-8	0.00
Carbon Black	California Proposition 65 Cancer List:	1333-86-4	0.06
Alkyd Resin	New Jersey Right To Know:		34.74
Xylene	New Jersey Right To Know:	1330-20-7	14.97
Hydrotreated distillate, light	New Jersey Right To Know:	68410-97-9	7.74
Resin	New Jersey Right To Know:		6.51
Ethylbenzene	New Jersey Right To Know:	100-41-4	3.17

## **XVI. ADDITIONAL INFORMATION**

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**Other Information:**

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MSDS glossary.