



M850-21342 MONARCH VALLEY-HARNESS 465-03 TOUCH-UP PIGMENT

# MATERIAL SAFETY DATA SHEET

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

Health: 2                      Flammability: 1                      Reactivity 0

PRODUCT NAME: M850-21342 MONARCH VALLEY-HARNESS 465-03 TOUCH-UP PIGMENT

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE:                      07/08/06  
SUPERCEDES:                        29/11/05  
MSDS NO.                                M850-21342

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
resin solids	11-20	PROPRIETARY	No PEL established
Dipropylene glycol monomethyl ether	1-10	34590-94-8	No PEL established
amorphous silica	1-10	112926-00-8	see Table Z-3
carbon black	<1	1333-86-4	3.5 mg/m3 TWA
Quartz	<1	14808-60-7	see Table Z-3
formaldehyde	<1	50-00-0	0.75 ppm TWA

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Absorption., Inhalation, ingestion, skin, eyes.  
**Medical Conditions Aggravated:** Eye disease. Pre-existing skin or respiratory conditions.

### Immediate (Acute) Health Effects

**Inhalation:** 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:** No hazard in normal industrial use. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**Eye Contact:** Can cause mechanical irritation if dusts are generated. Can cause minor irritation, tearing and reddening. Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

**Skin Absorption:** Minimal hazard in normal industrial use. May cause gastrointestinal discomfort. Toxic if absorbed through the skin. Likely to cause significant systemic damage.

**Ingestion:** Minimal toxicity Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

**Target Organ Acute Toxicity:**

Dipropylene glycol, methyl ether  
Carbon black  
Silica, crystalline  
Formaldehyde (and formalin)

eyes, respiratory system, CNS  
respiratory system, eyes, lymphatic cancer  
respiratory system, eyes (in animals: lung cancer)  
eyes, skin, respiratory system, nasal cancer

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

**Carcinogenicity:** No data available. Contains a substance that is a probable cancer hazard based on animal studies using doses likely to be encountered in the workplace.

**Reproductive and Developmental Toxicity:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

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

**Inhalation:** Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

**Skin Contact:** Prolonged or repeated contact may cause irritation. Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**Eye Contact:** Upon prolonged or repeated contact, dust contact can cause mechanical irritation. Upon prolonged or repeated contact, can cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

**Skin Absorption:** Upon prolonged or repeated exposure, toxic if absorbed through the skin. Likely to cause systemic damage.

**Target Organ Chronic Toxicity:** Eyes. Nervous System. Respiratory Tract.

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

**IV. FIRST AID**

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**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Eyes:** Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

**Skin Contact:** Wash with mild soap and water. If irritation occurs get medical attention. If clothing is contaminated, remove and wash before reuse. Wash with soap and water. Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**Ingestion:** If swallowed, do NOT induce vomiting. Give victim 1-2 glasses of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

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

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## **V. FIRE FIGHTING MEASURES**

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### **Flammability Summary:**

**Flash Point:** >200 (CALC.) °F

**Fire Hazards:** Take precautions so as not to create dust and to cause sparks and minimize static electricity.

**Extinguishing Media:** Use methods suitable to fight surrounding fire. Water spray Dry chemical Carbon dioxide Alcohol foam

**Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

**Hazardous Combustion Products:** Carbon monoxide

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## **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:** "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Wash thoroughly after handling. Use bonding and grounding when transferring quantities of material. Avoid contact with material. Minimize dust generation and accumulation. Harmful or irritating material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.

**Storage:** Keep away from heat, sparks, and flame. Avoid exposure to sunlight or ultraviolet (UV) light sources. Keep container closed when not in use. Store in a cool dry place. Isolate from incompatible materials.

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

**Engineering Controls:** Check ventilation codes. Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

### **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.

## **IX. PHYSICAL DATA**

<b>Physical State:</b>	COLORED LIQUID
<b>Odor:</b>	NONE TO VERY FAINT
<b>Solids Vol %:</b>	19.3626
<b>Solids Wt %:</b>	21.8423
<b>Material VOC lbs/gal:</b>	0.4684
<b>Material VOC gms/l:</b>	56.2511
<b>Coatings VOC lbs/gal:</b>	1.866
<b>Coatings VOC gms/l:</b>	224.0902
<b>Weight per gallon lbs:</b>	8.7091

VOC data per US EPA guidelines. State and local variations may apply.

## **X. STABILITY AND REACTIVITY**

**Stability Information:** Stable. Stable under normal conditions.

**Conditions to Avoid:** Contact with air. Contamination. Visible light. High temperatures. None known.

**Chemical Incompatibility:** Strong oxidizing agents. Metals. Strong alkalis. Strong acids.

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

## **XI. TOXICOLOGICAL INFORMATION**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Dipropylene glycol, monomethyl ether	34590-94-8	Oral LD50 Rat : 5400 uL/kg; Dermal LD50 Rabbit : 10 mL/kg
Carbon black	1333-86-4	Oral LD50 Rat : >15400 mg/kg; Dermal LD50 Rabbit : >3 gm/kg
Formaldehyde	50-00-0	Inhalation LC50 Rat : 203 mg/m3; Inhalation LC50 Mouse : 454 gm/m3/4H; Oral LD50 Rat : 100 mg/kg; Oral LD50 Mouse : 42 mg/kg; Dermal LD50 Rabbit : 270 uL/kg

## **XII. ECOLOGICAL INFORMATION**

**Overview (for ingredients):** No data available. This material is not expected to be harmful to the ecology.

## **XIII. DISPOSAL CONSIDERATIONS**

**Waste Description for Spent Product:** Spent or discarded material may be a hazardous waste.

**Disposal Methods:** Perform waste water treatment. Dispose of in a landfill. Disposal is not likely to be regulated.

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

No chemicals subject to land disposal restrictions. %

## **XIV. TRANSPORTATION INFORMATION**

**DOT** NON REGULATED

See 49CFR 172.101 for Special Provisions, Packaging, and Quantity Limitations.

## **XV. REGULATORY INFORMATION**

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
Formaldehyde	SARA 313 Reportable:	50-00-0	0.00
Lead	SARA 313 Reportable:	7439-92-1	0.00
Zinc	SARA 313 Reportable:	7440-66-6	0.00
Selenium	SARA 313 Reportable:	7782-49-2	0.00
Chromium	SARA 313 Reportable:	7440-47-3	0.00
Barium	SARA 313 Reportable:	7440-39-3	0.00
Copper	SARA 313 Reportable:	7440-50-8	0.00
Mercury	SARA 313 Reportable:	7439-97-6	0.00
Arsenic	SARA 313 Reportable:	7440-38-2	0.00
Antimony	SARA 313 Reportable:	7440-36-0	0.00
Cadmium	SARA 313 Reportable:	7440-43-9	100.00
Formaldehyde	Extremely Haz. Substances:	50-00-0	0.00
TPQ = 500 pounds; RQ = 100 pounds (does not meet toxicity criteria but because of high production volume and recognized toxicity is considered a chemical of concern)	SARA Threshold Planning Quantity:	50-00-0	0.00
Carbon Black	California Proposition 65 Cancer List:	1333-86-4	0.37
Quartz	California Proposition 65 Cancer List:	14808-60-7	0.00
Formaldehyde (gas)	California Proposition 65 Cancer List:	50-00-0	0.00
Lead	California Proposition 65 Cancer List:	7439-92-1	0.00

Arsenic	California Proposition 65 Cancer List:	7440-38-2	0.00
Cadmium	California Proposition 65 Cancer List:	7440-43-9	100.00
			0.00
Lead	California Proposition 65 Developmental Toxicity:	7439-92-1	0.00
Mercury	California Proposition 65 Developmental Toxicity:	7439-97-6	0.00
Cadmium	California Proposition 65 Developmental Toxicity:	7440-43-9	100.00
			0.00
Lead	California Proposition 65 Reproductive - Male:	7439-92-1	0.00
Lead	California Proposition 65 Reproductive - Female:	7439-92-1	0.00
Cadmium	California Proposition 65 Reproductive - Female:	7440-43-9	100.00
			0.00
resin solids	New Jersey Right To Know:	PROPRIETARY	17.52
Dipropylene glycol monomethyl ether	New Jersey Right To Know:	34590-94-8	4.67
amorphous silica	New Jersey Right To Know:	112926-00-8	2.21
carbon black	New Jersey Right To Know:	1333-86-4	0.37

#### **XVI. ADDITIONAL INFORMATION**

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**Other Information:**

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

MSDS glossary.