



M850-2212 BURNT UMBER TOUCH UP PIGMENT

# MATERIAL SAFETY DATA SHEET

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FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. .... 1-703-527-3887 (collect)

Health: 2                      Flammability: 1                      Reactivity 0

PRODUCT NAME: M850-2212 BURNT UMBER TOUCH UP PIGMENT

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 20/04/04  
SUPERCEDES: 14/04/04  
MSDS NO. M850-2212

## 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
iron oxide	1-10	1332-37-2	ACGIH TLV: 5mg/M3 TWA OSHA STEL: 10 ppm (iron Oxide Fume as Fe)
Quartz	<1	14808-60-7	see Table Z-3

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Absorption., Skin contact., Eye contact., inhalation, ingestion.  
**Medical Conditions Aggravated:** Eye disease. Respiratory disease including asthma and bronchitis.

### Immediate (Acute) Health Effects

**Inhalation:** Slightly irritating to the respiratory tract. Chronic lung disease (silicosis) and/or lung cancer may result from prolonged/repeated breathing of the dust of this material. Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

**Skin Contact:** May cause skin irritation. Can cause minor skin irritation, defatting, and dermatitis.

**Eye Contact:** Can cause mechanical irritation if dusts are generated. Can cause minor irritation, tearing and reddening.

**Skin Absorption:** Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

**Ingestion:** May cause gastric disturbances. Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

**Target Organ Acute Toxicity:**

Dipropylene glycol, methyl ether	eyes, respiratory system, CNS
Iron oxide dust and fume	respiratory system
Silica, crystalline	respiratory system, eyes (in animals: lung cancer)

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

**Carcinogenicity:**

**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 minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

**Skin Contact:** Prolonged or repeated contact may cause irritation. Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

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

**Skin Absorption:** Upon prolonged or repeated exposure, minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

**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 breathing becomes difficult, give oxygen and get medical attention. Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

**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. 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. Dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention. Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. 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  
**Upper Flammable/Explosive Limit, % in air:** 3.0 @ 77° F  
**Lower Flammable/Explosive Limit, % in air:** 1.1 @ 77° F

**Fire Hazards:** Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

**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.

**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. 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**

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**Engineering Controls:** Check ventilation codes. No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

### **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**

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<b>Physical State:</b>	COLORED LIQUID
<b>Odor:</b>	NONE TO VERY FAINT
<b>Solids Vol %:</b>	18.1263
<b>Solids Wt %:</b>	19.737
<b>Material VOC lbs/gal:</b>	0.4436
<b>Material VOC gms/l:</b>	53.278
<b>Coatings VOC lbs/gal:</b>	1.8782
<b>Coatings VOC gms/l:</b>	225.5599
<b>Weight per gallon:</b>	8.6203

## **X. STABILITY AND REACTIVITY**

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

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

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

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

## **XI. TOXICOLOGICAL INFORMATION**

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<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

## **XII. ECOLOGICAL INFORMATION**

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

## **XIII. DISPOSAL CONSIDERATIONS**

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

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

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

No chemicals subject to land disposal restrictions. %

## **XIV. TRANSPORTATION INFORMATION**

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**DOT** NON REGULATED

## **XV. REGULATORY INFORMATION**

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<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
No 313-listed chemicals in this product resin solids	SARA 313 Reportable: New Jersey Right To Know:	PROPRIETARY	17.62
Dipropylene glycol monomethyl ether	New Jersey Right To Know:	34590-94-8	5.01
iron oxide	New Jersey Right To Know:	1332-37-2	1.11
Quartz	New Jersey Right To Know:	14808-60-7	0.02

## **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.