



M850-21329 PRIMO-BUTTERNUTS 482-23 TOUCH-UP PIGMENT

MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group
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Health: 2 Flammability: 1 Reactivity 0

PRODUCT NAME: M850-21329 PRIMO-BUTTERNUTS 482-23 TOUCH-UP PIGMENT

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 18/10/05
SUPERCEDES: 18/10/05
MSDS NO. M850-21329

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
resin solids	11-20	PROPRIETARY	No PEL established
titanium dioxide	1-10	13463-67-7	total dust: 15 mg/m3 TWA
Dipropylene glycol monomethyl ether	1-10	34590-94-8	No PEL established
amorphous silica	1-10	112926-00-8	see Table Z-3
propylene glycol	1-10	57-55-6	No PEL established
Quartz	<1	14808-60-7	see Table Z-3

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 moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

Skin Absorption: Minimal hazard in normal industrial use. May cause gastrointestinal discomfort. No absorption hazard in normal industrial use.

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

Target Organ Acute Toxicity:

Titanium dioxide	respiratory system (in animals: lung tumors)
Dipropylene glycol, methyl ether	eyes, respiratory system, CNS
Silica, crystalline	respiratory system, eyes (in animals: lung cancer)

Long-Term (Chronic) Health Effects:

Carcinogenicity:

Reproductive and Developmental Toxicity: Contains a substance(s) that is a possible reproductive system hazard based on high dose tests with laboratory animals.

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

Inhalation: Remove to fresh air. If breathing becomes difficult, give oxygen and get medical attention. Remove subject to fresh air. Seek medical aid if lung irritation persists or if breathing becomes difficult. Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. Remove to fresh air. Get medical attention immediately. Have a trained individual administer humidified oxygen. If not breathing, give artificial respiration.

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. 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. 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

Flammability Summary:

Flash Point: >200 (CALC.) °F

Fire Hazards: Use process enclosures to control the level of dust in the air. 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

VI. ACCIDENTAL RELEASE MEASURES

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.

VII. HANDLING AND STORAGE

Handling: Minimize dust generation and accumulation. "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. Keep in air-tight containers-material is hygroscopic. 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. Do not store near combustible materials. 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. No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

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

Physical State:	COLORED LIQUID
Odor:	NONE TO VERY FAINT
Solids Vol %:	20.3771
Solids Wt %:	26.1353
Material VOC lbs/gal:	0.534
Material VOC gms/l:	64.1261
Coatings VOC lbs/gal:	1.988
Coatings VOC gms/l:	238.7472
Weight per gallon lbs:	9.1088

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: Contamination. Contact with air. Visible light. None known.

Chemical Incompatibility: Metals. Strong oxidizing agents. Acids. Strong reducing agents.

Hazardous Polymerization: Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Dipropylene glycol, monomethyl ether	34590-94-8	Oral LD50 Rat : 5400 uL/kg; Dermal LD50 Rabbit : 10 mL/kg
1,2-Propanediol	57-55-6	Oral LD50 Rat : 20 gm/kg; Oral LD50 Mouse : 22 gm/kg; Dermal LD50 Rabbit : 20800 mg/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. Spent or discarded material is not expected to 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

Chemical Name	Regulation	CASRN	%
Formaldehyde	SARA 313 Reportable:	50-00-0	0.00
Quartz	California Proposition 65 Cancer List:	14808-60-7	0.00
Formaldehyde (gas)	California Proposition 65 Cancer List:	50-00-0	0.00
resin solids	New Jersey Right To Know:	PROPRIETARY	16.54
titanium dioxide	New Jersey Right To Know:	13463-67-7	5.75
Dipropylene glycol monomethyl ether	New Jersey Right To Know:	34590-94-8	4.39
amorphous silica	New Jersey Right To Know:	112926-00-8	1.91
propylene glycol	New Jersey Right To Know:	57-55-6	1.47

XVI. ADDITIONAL INFORMATION

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.