



B555-000 White Pickling Stain

# 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: 2                      Reactivity 0

PRODUCT NAME: B555-000 White Pickling Stain

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 13/02/02  
SUPERCEDES: None  
MSDS NO. B555-000

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Solvent naphtha (petroleum) medium aliphatic	41-50	64742-88-7	No PEL established
Titanium dioxide	21-30	13463-67-7	total dust: 15 mg/m3 TWA
Alkyd Resin	1-10		No PEL established
Hydrogenated casor oil	1-10	8001-78-3	No PEL established
1,2,4 -trimethylbenzene	<1	95-63-6	No PEL established
Cobalt Compounds	<1	7440-48-4	0.1 mg/m3 TWA

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Skin contact., Eye contact., Inhalation., Ingestion.  
**Medical Conditions Aggravated:** Kidney disease. Eye disease. Skin disease including eczema and sensitization. Respiratory disease including asthma and bronchitis.

### Immediate (Acute) Health Effects

**Inhalation:** Can cause severe central nervous system depression (including unconsciousness). Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**Skin Contact:** Prolonged or repeated contact may cause drying, cracking or irritation. Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

**Eye Contact:** Can cause mechanical irritation if dusts are generated. { Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

<b>Skin Absorption:</b>	Can be absorbed through the skin but exposure must be extensive before adverse health effects occur.No absorption hazard in normal industrial use.
<b>Ingestion:</b>	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.
<b>Target Organ Acute Toxicity:</b>	
Titanium dioxide	respiratory system (in animals: lung tumors)
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood
Cobalt metal, dust and fume	respiratory system, skin
<b><u>Long-Term (Chronic) Health Effects:</u></b>	
<b>Carcinogenicity:</b>	None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.
<b>Mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
<b>Skin Contact:</b>	Prolonged contact with this product can cause reddening, swelling, rash, scaling, or blistering. In those who have developed skin sensitization, these symptoms can develop as a result of contact with a very small amount of the liquid material.
<b>Eye Contact:</b>	Upon prolonged or repeated contact, dust contact can cause mechanical irritation.
<b>Skin Absorption:</b>	Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material.
<b>Target Organ Chronic Toxicity:</b>	Kidneys. Eyes. Skin. Nervous System. Respiratory Tract.
<b>Supplemental Health Hazard Information:</b>	No additional health information available.

#### **IV. FIRST AID**

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<b>Inhalation:</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.Remove to fresh air. Get medical attention immediately. Have a trained individual administer humidified oxygen. If not breathing, give artificial respiration.
<b>Eyes:</b>	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.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.
<b>Skin Contact:</b>	Wash with soap and water. Get medical attention if irritation develops or persists.Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**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. 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:** 39C; 102F  
**Upper Flammable/Explosive Limit, % in air:** 6.0 @ 77° F  
**Lower Flammable/Explosive Limit, % in air:** 1.1 @ 77° F

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

**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. Rags or other materials containing this product may oxidize and ignite. All contaminated materials should be isolated immediately to avoid spontaneous combustion. Iron oxide pigments may accelerate this process.

**Storage:** Keep away from sources of ignition.

## VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

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**Engineering Controls:** Check ventilation codes.

### 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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**Physical State:** COLORED LIQUID  
**Odor:** STRONG SOLVENT  
**Solids Vol %:** 24.9132  
**Solids Wt %:** 45.0896  
**Material VOC lbs/gal:** 4.8131  
**Material VOC gms/l:** 578.0129  
**Weight per gallon:** 8.7854

## X. STABILITY AND REACTIVITY

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**Stability Information:** Spontaneous combustion can occur.  
**Conditions to Avoid:** Avoid: heat, sparks, flame and oxidizing agents.  
**Chemical Incompatibility:** Strong oxidizing agents. Metals.  
**Hazardous Polymerization:** Hazardous Polymerization will not occur.

## XI. TOXICOLOGICAL INFORMATION

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Chemical Name	CAS Number	LD50/LC50
Castor oil, hydrogenated	8001-78-3	Oral LD50 Rat : >10 gm/kg
Benzene, 1,2,4-trimethyl-	95-63-6	Inhalation LC50 Rat : 18 gm/m3/4H; Oral LD50 Rat : 5 gm/kg
Cobalt	7440-48-4	Oral LD50 Rat : 6171 mg/kg

## XII. ECOLOGICAL INFORMATION

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**Overview (for ingredients):** No data available.

**Ecological Toxicity Values:**

**XIII. DISPOSAL CONSIDERATIONS**

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**Waste Description for Spent Product:** The waste may be a 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:**

No chemicals subject to land disposal restrictions. %

**XIV. TRANSPORTATION INFORMATION**

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**DOT** COMBUSTIBLE LIQUID NA1993 PG III

**XV. REGULATORY INFORMATION**

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Toxic Substances Control Act (TSCA):

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	0.9
Cobalt	SARA 313 Reportable:	7440-48-4	0.02
Cobalt metal powder	California Proposition 65 Cancer List:	7440-48-4	0.02
Solvent naphtha (petroleum) medium aliphatic	New Jersey Right To Know:	64742-88-7	46.59
Titanium dioxide	New Jersey Right To Know:	13463-67-7	28.54
Alkyd Resin	New Jersey Right To Know:		9.66
Resin	New Jersey Right To Know:		4.23
Hydrogenated casor oil	New Jersey Right To Know:	8001-78-3	2.64

**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.