



B700-1805 Japan Drier

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: B700-1805 Japan Drier

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 20/02/02
SUPERCEDES: None
MSDS NO. B700-1805

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Solvent naphtha (petroleum) medium aliphatic	81-90	64742-88-7	No PEL established
Manganese Carboxylate(Mn Neodecanoate,Mn Propionat	1-10	7439-96-5	compounds, as Mn: C 5 mg/m3; fume, as Mn: C 5 mg/m3
1,2,4 -trimethylbenzene	1-10	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. Respiratory disease including asthma and bronchitis.

Immediate (Acute) Health Effects

Inhalation: Overexposure to processing fumes may cause metal fume fever which is an influenza like illness. Symptoms include headache, metallic taste in the mouth, cough, thirst, throat irritation, shortness of breath, fever, sweating and pain in the limbs. This illness is not permanent and recovery usually occurs within 24-48 hours after onset. Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Skin Contact: May cause skin sensitization, an allergic reaction, which becomes evident on re exposure to this material. Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

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

Skin Absorption: No component(s) in this product is known to be absorbed through the skin.No absorption hazard in normal industrial use.

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:

Manganese compounds

respiratory system, CNS, blood, kidneys

1,2,4-Trimethylbenzene

eyes, skin, respiratory system, CNS, blood

Cobalt metal, dust and fume

respiratory system, skin

Long-Term (Chronic) Health Effects:

Carcinogenicity: None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

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

Skin Contact: 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.

Skin Absorption: Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material.

Target Organ Chronic Toxicity: Blood. Kidneys. Nervous System. Respiratory Tract.

Supplemental Health Hazard Information: No additional health information available.

IV. FIRST AID

Inhalation: Remove to fresh air. Get medical attention immediately. Have a trained individual administer humidified oxygen. If not breathing, give artificial respiration.

Eyes: 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.

Skin Contact: 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: 45C; 113F

Fire Hazards: Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition.

Fire Fighting Instructions: Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition.

Hazardous Combustion Products: Carbon monoxide

VI. ACCIDENTAL RELEASE MEASURES

Health Consideration for Spill Response: No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS

Spill Mitigation Procedures General Methods: No special spill clean-up considerations. Collect and discard in regular trash.

VII. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Avoid contact with material. Use spark-proof tools and explosion-proof equipment.

Storage:

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Explosion proof exhaust ventilation should be used.

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: OILY HYDROCARBON
Solids Vol %: 5.6111
Solids Wt %: 8.5418
Material VOC lbs/gal: 6.2042
Material VOC gms/l: 745.0676
Weight per gallon: 6.7991

X. STABILITY AND REACTIVITY

Conditions to Avoid: Contact with water.
Chemical Incompatibility: Strong oxidizing agents. Water.
Hazardous Polymerization: Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Manganese	7439-96-5	Oral LD50 Rat : 9 gm/kg
Benzene, 1,2,4-trimethyl-	95-63-6	Inhalation LC50 Rat : 18 gm/m ³ /4H; Oral LD50 Rat : 5 gm/kg
Cobalt	7440-48-4	Oral LD50 Rat : 6171 mg/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): No data available.

Ecological Toxicity Values:

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: 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

DOT Paint 3 UN1263 PGIII

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA):

Chemical Name	Regulation	CASRN	%
Manganese	SARA 313 Reportable:	7439-96-5	3.01
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	1.82
Cobalt	SARA 313 Reportable:	7440-48-4	0.75
Cobalt metal powder	California Proposition 65 Cancer List:	7440-48-4	0.75
Solvent naphtha (petroleum) medium aliphatic	New Jersey Right To Know:	64742-88-7	88.99

Manganese	New Jersey Right To Know:	7439-96-5	3.01
Calcium Alkanoate	New Jersey Right To Know:		2.57
Zirconium Compound	New Jersey Right To Know:		2.15
1,2,4 -trimethylbenzene	New Jersey Right To Know:	95-63-6	1.82

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.