



M466-6020 Match-All Clear

# 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: 3                      Reactivity 0**

**PRODUCT NAME: M466-6020 Match-All Clear**

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 29/11/01  
SUPERCEDES: None  
MSDS NO. M466-6020

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Xylene	31-40	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Toluene	21-30	108-88-3	200 ppm TWA; C 300 ppm
Light aromatic solvent naphtha	11-20	64742-95-6	No PEL established
Ethylbenzene	1-10	100-41-4	100 ppm TWA; 435 mg/m3 TWA
Trimethylbenzene	1-10	25551-13-7	No PEL established
Cumene	<1	98-82-8	50 ppm TWA; 245 mg/m3 TWA
1,2,4 -trimethylbenzene	<1	95-63-6	No PEL established

## III. HAZARDS IDENTIFICATION

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

### Immediate (Acute) Health Effects

**Inhalation:** Causes respiratory tract irritation. High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and even death with longer exposure. Can cause severe central nervous system depression (including unconsciousness). Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

**Skin Contact:** Moderately irritating to the skin. Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

**Eye Contact:** Can cause irritation. Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

**Skin Absorption:** Toxic and may be harmful if absorbed through the skin; may produce target organ damage. { Can be absorbed through the skin but exposure must be extensive before adverse health effects occur. Harmful if absorbed through the skin. May cause severe irritation and systemic damage.

**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:**

Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
Toluene	CNS, liver, kidneys, skin, eyes, respiratory system
Ethyl benzene	eyes, respiratory system, skin, CNS
Cumene	eyes, respiratory system, skin, CNS
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood

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

**Carcinogenicity:** Contains a substance that is a probable cancer hazard based on human studies.

**Reproductive and Developmental Toxicity:** A component in this product has been shown to cause birth defects and reproductive disorders in laboratory animals at doses that could be encountered in the workplace. Possible reproductive hazard.

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

**Skin Contact:** May cause lingering affects but not likely to result in permanent damage if the exposure is eliminated. Prolonged or repeated contact may cause irritation.

**Target Organ Chronic Toxicity:** Skin. Respiratory Tract. Eyes. Nervous System. Digestive Tract. Liver. Kidneys. Blood.

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

**IV. FIRST AID**

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

<b>Eyes:</b>	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
<b>Skin Contact:</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Ingestion:</b>	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.
<b>Notes to MD:</b>	No additional first aid information available.

## **V. FIRE FIGHTING MEASURES**

### **Flammability Summary:**

<b>Flash Point:</b>	< 100F
<b>Autoignition Temperature:</b>	460 deg. C
<b>Upper Flammable/Explosive Limit, % in air:</b>	7.4 @ 77° F
<b>Lower Flammable/Explosive Limit, % in air:</b>	1.1 @ 77° F

**Fire Hazards:** Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low 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:** Carbon dioxide Dry chemical Water spray 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:** Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low 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:** Use spark-proof tools and explosion-proof equipment. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Avoid contact with material.

**Storage:** Keep away from sources of ignition. Keep container closed when not in use.

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

**Engineering Controls:** Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Facilities storing or using this material should be equipped with an eyewash and safety shower.

### **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>	CLOUDY LIQUID
<b>Odor:</b>	STRONG SOLVENT
<b>Solids Vol %:</b>	10.9992
<b>Solids Wt %:</b>	14.3668
<b>Material VOC lbs/gal:</b>	6.4564
<b>Material VOC gms/l:</b>	775.3522
<b>Weight per gallon:</b>	7.5567

## **X. STABILITY AND REACTIVITY**

**Stability Information:** Stable.

**Conditions to Avoid:** Avoid: heat, sparks, flame and oxidizing agents.

**Chemical Incompatibility:** Strong oxidizing agents. Strong acids. Chlorine. Acids.

## **XI. TOXICOLOGICAL INFORMATION**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Xylene	1330-20-7	Inhalation LC50 Rat : 5000 ppm/4H; Oral LD50 Rat : 4300 mg/kg; Dermal LD50 Rabbit : >1700 mg/kg
Toluene	108-88-3	Inhalation LC50 Rat : 49 gm/m <sup>3</sup> /4H; Inhalation LC50 Mouse : 400 ppm/24H; Oral LD50 Rat : 636 mg/kg; Dermal LD50 Rabbit : 14100 uL/kg
Benzene, ethyl-	100-41-4	Oral LD50 Rat : 3500 mg/kg; Dermal LD50 Rabbit : 17800 uL/kg
Benzene, trimethyl- (mixed isomers)	25551-13-7	Oral LD50 Rat : 8970 mg/kg

Cumene	98-82-8	Inhalation LC50 Mouse : 10 gm/m3/7H; Oral LD50 Rat : 1400 mg/kg; Oral LD50 Mouse : 12750 mg/kg; Dermal LD50 Rabbit : 12300 uL/kg
Benzene, 1,2,4-trimethyl-	95-63-6	Inhalation LC50 Rat : 18 gm/m3/4H; Oral LD50 Rat : 5 gm/kg

## **XII. ECOLOGICAL INFORMATION**

**Overview (for ingredients):** Highly/very toxic to fish and other water organisms.

**Ecological Toxicity Values:**

## **XIII. DISPOSAL CONSIDERATIONS**

**Waste Description for Spent Product:** The waste may be a listed and/or characteristic hazardous waste. The waste may be a "special" 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:**

Xylenes (o-, m-, p- isomers)	1330-20-7	39.49 %
Toluene	108-88-3	20.75 %
Ethyl benzene	100-41-4	8.49 %

## **XIV. TRANSPORTATION INFORMATION**

**DOT** Paint 3 UN1263 PGII;QT OR LESS SHIP: ORM-D

## **XV. REGULATORY INFORMATION**

Toxic Substances Control Act (TSCA):

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	39.49
Toluene	SARA 313 Reportable:	108-88-3	20.75
Ethyl benzene	SARA 313 Reportable:	100-41-4	8.49
Cumene	SARA 313 Reportable:	98-82-8	0.3
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	0.3
Toluene	California Proposition 65	108-88-3	20.75
	Developmental Toxicity:		
Xylene	New Jersey Right To Know:	1330-20-7	39.49
Toluene	New Jersey Right To Know:	108-88-3	20.75
Acrylic Polymer	New Jersey Right To Know:		13.03
Light aromatic solvent naphtha	New Jersey Right To Know:	64742-95-6	10.97
Ethylbenzene	New Jersey Right To Know:	100-41-4	8.49

## **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.