



M440-0006 Two Minute Touch-Up

# MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group  
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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: M440-0006 Two Minute Touch-Up**

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 30/11/01  
SUPERCEDES: None  
MSDS NO. M440-0006  
OSHA HAZ. CLASS: Eye irritant. Neurotoxin - may cause nervous system damage.  
Mucous membrane (respiratory tract) irritant.

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
2-Methylpropyl isobutyrate	11-20	97-85-8	No PEL established
Hydrotreated distillate, light	11-20	68410-97-9	No PEL established
n-Butyl acetate	11-20	123-86-4	150 ppm TWA; 710 mg/m3 TWA
Nitrocellulose	1-10	9004-70-0	No PEL established
Toluene	1-10	108-88-3	200 ppm TWA; C 300 ppm
Xylene	1-10	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
acetone	1-10	67-64-1	1000 ppm TWA; 2400 mg/m3 TWA
Ethyl Acetate	1-10	141-78-6	400 ppm TWA; 1400 mg/m3 TWA
Isobutyl Alcohol	1-10	78-83-1	100 ppm TWA; 300 mg/m3 TWA
isopropanol	1-10	67-63-0	400 ppm TWA; 980 mg/m3 TWA
1,2 Benzenedicarboxylic acid, di C8-10 br alkyl ester	1-10	68515-48-0	No PEL established
1-Methoxy-2-hydroxypropane	1-10	107-98-2	No PEL established
Ethylbenzene	<1	100-41-4	100 ppm TWA; 435 mg/m3 TWA

## III. HAZARDS IDENTIFICATION

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

### Immediate (Acute) Health Effects

**Inhalation:** Irritation may be delayed for several hours. Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

**Skin Contact:** Moderately irritating to the skin. Substance causes moderate skin irritation. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). 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:** Irritating but will not permanently injure eye tissue. 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:** Can be absorbed through the skin but exposure must be extensive before adverse health effects occur. { Toxic and may be harmful if absorbed through the skin; may produce target organ damage. { Component(s) may be absorbed through intact skin, but it is unlikely that harmful affects will occur unless contact is prolonged, repeated, and extensive. 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. Harmful if swallowed. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

**Target Organ Acute Toxicity:**

n-Butyl acetate	eyes, skin, respiratory system, CNS
Toluene	CNS, liver, kidneys, skin, eyes, respiratory system
Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
Acetone	respiratory system, skin, eyes, CNS
Ethylacetate	eyes, skin, respiratory system
Isobutyl alcohol	eyes, skin, respiratory system, CNS
Isopropyl alcohol	eyes, skin, respiratory system
Propylene glycol monomethyl ether	eyes, skin, respiratory system, CNS
Ethyl benzene	eyes, respiratory system, skin, CNS

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

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

**Reproductive and Developmental Toxicity:** Possible reproductive hazard. 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.

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

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

**Target Organ Chronic Toxicity:** Skin. Respiratory Tract. Nervous System. Eyes. Kidneys. Liver. Digestive Tract. Blood. Skin. 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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Eyes:** Flush eye with water for 20 minutes. Get medical attention. Flush immediately under running water for 15 minutes. If redness or irritation occurs, seek medical attention.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** Never give anything by mouth to an unconscious person. 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. First aid is normally not required.

**Notes to MD:** No additional first aid information available.

#### **V. FIRE FIGHTING MEASURES**

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##### **Flammability Summary:**

**Flash Point:** < 100F  
**Autoignition Temperature:** 0 deg. C  
**Upper Flammable/Explosive Limit, % in air:** 36.0 @ 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. Container may explode in heat of fire. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

**Extinguishing Media:** Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Alcohol foam Dry chemical Carbon dioxide Water spray Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

**Fire Fighting Instructions:** 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. Container may explode in heat of fire. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

**Hazardous Combustion Products:** Toxic gases Hydrogen cyanide Nitrogen containing gases Carbon dioxide, Carbon monoxide

## VI. ACCIDENTAL RELEASE MEASURES

**Health Consideration for Spill Response:** No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section VIII of this MSDS.

**Spill Mitigation Procedures General Methods:** Avoid runoff into storm sewers and ditches that lead to waterways. 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. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material.

**Storage:** Keep container closed when not in use. Keep away from heat, sparks, and flame. Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition. Do not store in direct sunlight. Limit quantity of material stored. Avoid exposure to sunlight or ultraviolet (UV) light sources. Do not store near combustible materials.

## VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

**Engineering Controls:** Explosion proof exhaust ventilation should be used. Ventilation should effectively remove and prevent buildup of any vapor/mist/fume generated from the handling of this product. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910.

### 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:** Clear Liquid  
**Odor:** Strong Solvent  
**Solids Vol %:** 12.7979  
**Solids Wt %:** 18.8477  
**Material VOC lbs/gal:** 5.7366

**Material VOC gms/l:** 688.9174  
**Weight per gallon:** 7.4703000

## X. STABILITY AND REACTIVITY

**Stability Information:** Stable.

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

**Chemical Incompatibility:** Strong oxidizing agents. Strong alkalis. Strong acids. Amines. Oxidizing materials.

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

## XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Isobutyric acid, isobutyl ester	97-85-8	Inhalation LC50 Rat : 5000 ppm/6H; Oral LD50 Rat : 12800 mg/kg; Dermal LD50 Rabbit : >8600 mg/kg
Acetic acid, butyl ester	123-86-4	Inhalation LC50 Rat : 2000 ppm/4H; Inhalation LC50 Mouse : 6 gm/m3/2H; Oral LD50 Rat : 10768 mg/kg; Oral LD50 Mouse : 6 gm/kg; Dermal LD50 Rabbit : >17600 mg/kg
Nitrocellulose	9004-70-0	Oral LD50 Rat : >5 gm/kg; Oral LD50 Mouse : >5 gm/kg
Toluene	108-88-3	Inhalation LC50 Rat : 49 gm/m3/4H; Inhalation LC50 Mouse : 400 ppm/24H; Oral LD50 Rat : 636 mg/kg; Dermal LD50 Rabbit : 14100 uL/kg
Xylene	1330-20-7	Inhalation LC50 Rat : 5000 ppm/4H; Oral LD50 Rat : 4300 mg/kg; Dermal LD50 Rabbit : >1700 mg/kg
Acetone	67-64-1	Inhalation LC50 Rat : 50100 mg/m3/8H; Inhalation LC50 Mouse : 44 gm/m3/4H; Oral LD50 Rat : 5800 mg/kg; Oral LD50 Mouse : 3 gm/kg
Acetic acid, ethyl ester	141-78-6	Inhalation LC50 Rat : 200 gm/m3; Inhalation LC50 Mouse : 45 gm/m3/2H; Oral LD50 Rat : 5620 mg/kg; Oral LD50 Mouse : 4100 mg/kg; Dermal LD50 Rabbit : >20 mL/kg
Isobutyl alcohol	78-83-1	Oral LD50 Rat : 2460 mg/kg; Dermal LD50 Rabbit : 3400 mg/kg
Isopropyl alcohol	67-63-0	Inhalation LC50 Rat : 16000 ppm/8H; Oral LD50 Rat : 5045 mg/kg; Oral LD50 Mouse : 3600 mg/kg; Dermal LD50 Rabbit : 12800 mg/kg
2-Propanol, 1-methoxy-	107-98-2	Inhalation LC50 Rat : 10000 ppm/5H; Oral LD50 Mouse : 11700 mg/kg; Dermal LD50 Rabbit : 13 gm/kg
Benzene, ethyl-	100-41-4	Oral LD50 Rat : 3500 mg/kg; Dermal LD50 Rabbit : 17800 uL/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 "special" waste. The waste may be a listed and/or characteristic hazardous waste. Spent or discarded material is a hazardous waste.

**Disposal Methods:** Comply with all Local, State, Federal, and Provincial Environmental Regulations. 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:

Toluene	108-88-3	5.52 %
Xylenes (o-, m-, p- isomers)	1330-20-7	5.16 %
Acetone	67-64-1	4.19 %
Ethylacetate	141-78-6	4.06 %
Isobutyl alcohol	78-83-1	3.82 %
Ethyl benzene	100-41-4	0.8 %

#### **XIV. TRANSPORTATION INFORMATION**

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**DOT** Paint 3 UN1263 PG II  
Quart or less ORM-D\*\*\*Label:None

#### **XV. REGULATORY INFORMATION**

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Toxic Substances Control Act (TSCA): A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances.

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
Toluene	SARA 313 Reportable:	108-88-3	5.52
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	5.16
Isopropyl alcohol	SARA 313 Reportable:	67-63-0	3.17
Ethyl benzene	SARA 313 Reportable:	100-41-4	0.8
Toluene	California Proposition 65 Developmental Toxicity:	108-88-3	5.52
2-Methylpropyl isobutyrate	New Jersey Right To Know:	97-85-8	17.00
Hydrotreated distillate, light	New Jersey Right To Know:	68410-97-9	15.3
n-Butyl acetate	New Jersey Right To Know:	123-86-4	12.58
Alkyd Resin	New Jersey Right To Know:		9.2
Nitrocellulose	New Jersey Right To Know:	9004-70-0	7.39

#### **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.