



# Material Safety Data Sheet

Revision Date: 18-Feb-2010

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** INTERIOR WOOD ONE HOUR CLEAR VARNISH  
**Product Code** K42100  
**Product Class** SOLVENT THINNED PAINT  
**Color** Clear

**Manufacturer** Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 201-573-9600  
www.benjaminmoore.com

**Emergency Telephone Number(s)**  
CANUTEC: 613-996-6666

## 2. COMPOSITION INFORMATION ON COMPONENTS

### Hazardous Components

Chemical Name	CAS-No	Weight % (max)
Petroleum ether	8032-32-4	15 - 40%
Distillates, petroleum, hydrotreated light	64742-47-8	7 - 13 %
Stoddard solvent	8052-41-3	3 - 7%
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1.0%

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

#### **DANGER**

Flammable. Vapors may be irritating to eyes, nose, throat, and lungs. May cause skin irritation and/or dermatitis.

**Appearance** liquid

**Odor** solvent

### Potential Health Effects

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

**Acute Effects**

**Eyes**

Causes eye irritation.

**Skin**

May cause skin irritation and/or dermatitis..

**Inhalation**

High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects. May cause irritation of respiratory tract.

**Ingestion**

May be harmful if swallowed. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Effects**

Avoid repeated exposure.

See Section 11 for additional Toxicological information.

**Main Symptoms**

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Aggravated Medical Conditions** None known

**HMIS**            **Health: 2**            **Flammability: 3**            **Reactivity: 0**            **PPE: -**

**HMIS Legend**

0 - Minimal Hazard

1 - Slight Hazard

2 - Moderate Hazard

3 - Serious Hazard

4 - Severe Hazard

\* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, Benjamin Moore & Co., has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

**4. FIRST AID MEASURES**

**General Advice**

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact**

Immediate medical attention is not required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Notes To Physician</b>	Treat symptomatically.
<b>Protection Of First-Aiders</b>	Use personal protective equipment.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Protective Equipment And Precautions For Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Hazardous Combustion Products</b>	Burning may result in carbon dioxide, carbon monoxide and other combustion products of varying composition which may be toxic and/or irritating.
<b>Specific Hazards Arising From The Chemical</b>	Flammable. Closed containers may rupture if exposed to fire or extreme heat. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapors.
<b>Sensitivity To Mechanical Impact</b>	No
<b>Sensitivity To Static Discharge</b>	Yes
<b>Flash Point Data</b>	
Flash Point (°F)	73
Flash Point (°C)	23
Flash Point Method	PMCC
<b>Flammability Limits In Air</b>	
Upper Explosion Limit	Not available
Lower Explosion Limit	Not available

**NFPA**      **Health:** 2      **Flammability:** 3      **Instability:** 0      **Special:** Not Applicable

### NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned by Benjamin Moore & Co. are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.. Remove all sources of ignition. Take precautionary measures against static discharges. Keep people away from and upwind of spill/leak. Pay attention to flashback.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods For Clean-Up</b>	Soak up with inert absorbent material.
<b>Other Information</b>	None known

## 7. HANDLING AND STORAGE

<b>Handling</b>	Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment. Do not breathe vapors or spray mist. Take precautionary measures against static discharges. Use product only in closed system.
<b>Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labeled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

#### Hazardous Components

Chemical Name	ACGIH	Alberta	British Columbia	Ontario	Quebec
Petroleum ether	N/E	1398 mg/m <sup>3</sup> - TWA 300 ppm - TWA	350 mg/m <sup>3</sup> - TWA	1350 mg/m <sup>3</sup> - TWAEV	1370 mg/m <sup>3</sup> - TWAEV 300 ppm - TWAEV
Distillates, petroleum, hydrotreated light	N/E	N/E	200 mg/m <sup>3</sup> - TWA Skin absorption can contribute to overall exposure.	N/E	N/E
Stoddard solvent	100 ppm - TWA	100 ppm - TWA 572 mg/m <sup>3</sup> - TWA	290 mg/m <sup>3</sup> - TWA 580 mg/m <sup>3</sup> - STEL	525 mg/m <sup>3</sup> - TWAEV	525 mg/m <sup>3</sup> - TWAEV 100 ppm - TWAEV
1,2,4-Trimethylbenzene	N/E	N/E	N/E	N/E	N/E

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists  
Alberta - Alberta Occupational Exposure Limits  
British Columbia - British Columbia Occupational Exposure Limits  
Ontario - Ontario Occupational Exposure Limits  
Quebec - Quebec Occupational Exposure Limits  
N/E - Not established

**Engineering Measures**                      Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/Face Protection**                      Tightly fitting safety goggles. Face-shield.  
**Skin Protection**                              Long sleeved clothing. Chemical resistant apron. Antistatic boots.  
**Respiratory Protection**                      Wear a positive-pressure supplied-air respirator.

**Hygiene Measures**                              When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	liquid
<b>Odor</b>	solvent
<b>Density (lbs/gal)</b>	7.05
<b>Specific Gravity</b>	0.85
<b>pH</b>	Not available
<b>Viscosity (centistokes)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Wt. % Solids</b>	32
<b>Vol. % Solids</b>	25
<b>Wt. % Volatiles</b>	68
<b>Vol. % Volatiles</b>	75
<b>VOC Regulatory Limit (g/L)</b>	Not applicable
<b>Boiling Point (°F)</b>	240
<b>Boiling Point (°C)</b>	116
<b>Freezing Point (°F)</b>	Not available
<b>Freezing Point (°C)</b>	Not available
<b>Flash Point (°F)</b>	73
<b>Flash Point (°C)</b>	23
<b>Flash Point Method</b>	PMCC
<b>Upper Explosion Limit</b>	Not available
<b>Lower Explosion Limit</b>	Not available

**10. STABILITY AND REACTIVITY**

**Chemical Stability**                              Stable under normal conditions. Hazardous polymerisation does not occur.

**Conditions To Avoid**                              Keep away from open flames, hot surfaces and sources of ignition. Heating in air.

**Incompatible Materials**

Incompatible with strong acids and bases and strong oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating gases and vapors.

**Possibility Of Hazardous Reactions**

None under normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### **Product**

Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

#### **Component**

##### Petroleum ether

LC50 Inhalation (Vapor): 3400 ppm (Rat, 4 hr.)

##### Distillates, petroleum, hydrotreated light

LD50 Oral: > 5,000 mg/kg (Rat)

LD50 Dermal: > 3,000 mg/kg (Rabbit)

##### Stoddard solvent

LD50 Oral: > 5,000 mg/kg (Rat)

LD50 Dermal: > 3160 mg/kg (Rabbit)

LC50 Inhalation (Vapor): > 6.1 mg/L (Rat)

##### 1,2,4-Trimethylbenzene

LD50 Oral: 5000 mg/kg (Rat)

LC50 Inhalation (Vapor): 18000 mg/m<sup>3</sup> (Rat, 4 hr.)

### Chronic Toxicity

#### **Carcinogenicity**

There are no known carcinogenic chemicals in this product above reportable levels.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity Effects

#### **Product**

##### Acute Toxicity to Fish

No information available

## 12. ECOLOGICAL INFORMATION

### Acute Toxicity to Aquatic Invertebrates

No information available

### Acute Toxicity to Aquatic Plants

No information available

### Component

#### Acute Toxicity to Fish

No information available

### Acute Toxicity to Aquatic Invertebrates

No information available

### Acute Toxicity to Aquatic Plants

No information available

## 13. DISPOSAL CONSIDERATIONS

### **Waste Disposal Method**

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

## 14. TRANSPORT INFORMATION

### **TDG**

<b>Proper Shipping Name</b>	Paint
<b>Hazard Class</b>	3
<b>UN-No</b>	UN1263
<b>Packing Group</b>	III

### **ICAO / IATA**

Contact Benjamin Moore & Co. for further information.

### **IMDG / IMO**

Contact Benjamin Moore & Co. for further information.

## 15. REGULATORY INFORMATION

### International Inventories

**United States TSCA**  
**Canada DSL**

Yes - All components are listed or exempt.  
Yes - All components are listed or exempt.

### National Pollutant Release Inventory (NPRI)

## 15. REGULATORY INFORMATION

### **NPRI Parts 1- 4**

This product contains the following Parts 1-4 NPRI chemicals:

<b><u>Chemical Name</u></b>	<b><u>CAS-No</u></b>	<b><u>Weight % (max)</u></b>
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1.0%

*This product may contain trace amounts of (other) NPRI Parts 1-4 reportable chemicals. Contact Benjamin Moore & Co. for further information.*

### **NPRI Part 5**

This product contains the following NPRI Part 5 Chemicals:

<b><u>Chemical Name</u></b>	<b><u>CAS-No</u></b>	<b><u>Weight % (max)</u></b>
Petroleum ether	8032-32-4	15 - 40%
Distillates, petroleum, hydrotreated light	64742-47-8	7 - 13 %
Stoddard solvent	8052-41-3	3 - 7%
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1.0%

*This product may contain trace amounts of (other) NPRI Part 5 reportable chemicals. Contact Benjamin Moore & Co. for further information.*

### **WHMIS Regulatory Status**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **WHMIS Hazard Class**

B2 Flammable liquid  
D2B Toxic materials



## 16. OTHER INFORMATION

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ [http://www.hc-sc.gc.ca/iyh-vsv/prod/paint-peinture\\_e.html](http://www.hc-sc.gc.ca/iyh-vsv/prod/paint-peinture_e.html).



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Disclaimer

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K42100

**End of MSDS**