



## Material Safety Data Sheet

### Section 1: Product and Company Identification

**RPM Wood Finishes Group, Inc.**

**P.O. Box 22000**

**Hickory, NC 28603**

**Company Phone number: (800) 522-8266**

**CHEMTREC: (800) 424-9300 International: 703-527-3887 (collect)**

**EHS Review/Issue Date: 10/15/2011**

**Product Name:** PERFECT BLEND™ GLOSS  
**Product Code:** M102-0780

### Section 2: Hazards Identification

#### **EMERGENCY OVERVIEW**

**Appearance:** Clear Liquid

**Odor:** Strong Solvent

**Principal Hazards:** DANGER! Extremely Flammable.

Causes eye, skin, nose and throat irritation. Harmful or fatal if swallowed. May be harmful if absorbed through skin. Vapor harmful.

**Potential Health Effects:** See Section 11 for more information.

#### **Primary Routes of Exposure:**

#### **Eye Contact:**

Product may cause eye irritation; signs and symptoms may include a burning sensation, redness, tearing, inflammation, blurred vision, and/or possible transient corneal injury.

#### **Ingestion:**

Product if ingested may cause damage (including burns, scarring, and ulcerization) to mouth, throat, stomach, and digestive and central nervous systems. Signs and symptoms may include headache, drowsiness, dizziness, swelling, abdominal discomfort, burning sensation, shock or collapse, convulsions and/or bleeding. Post-ingestion vomitous in the lungs may cause chemical pneumonia.

#### **Skin Contact:**

May be harmful if absorbed through the skin. Product may cause skin irritation; signs and symptoms may include drying, cracking, sensitization, reddening, discoloration, blistering and/or swelling.

#### **Inhalation:**

Product if inhaled may cause severe irritation or damage (including but not limited to burns, scarring, and ulcerization) to respiratory tract and central nervous system. Signs and symptoms may include weakness, headache, drowsiness, dizziness, swelling, abdominal discomfort, burning sensation, shock or collapse, convulsions, breathing difficulties, nasal perforation, ulceration, heart damage, blindness, bleeding and/or death. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

## Material Safety Data Sheet

**Product Name:** PERFECT BLEND™ GLOSS

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**Target Organs:** Not Determined

**Carcinogenicity:** This product contains carcinogens or potential carcinogens as listed by IARC or NTP.

**Hazardous Listing:** Components of this product are considered hazardous per the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### **Section 3: Composition/Information on Ingredients**

Chemical	CAS	Percent Composition
dimethylether	115-10-6	30 - 50
n-butyl acetate	123-86-4	10 - 20
ethyl acetate	141-78-6	10 - 20
methyl isobutyl ketone	108-10-1	1 - 10
acetone	67-64-1	1 - 10
propylene glycol monomethyl ether	107-98-2	1 - 10
cellulose nitrate, cellulose ester	9004-70-0	1 - 10
butanol	71-36-3	1 - 10
alkyd resin	proprietary NCP	1 - 10
isopropanol	67-63-0	1 - 10
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	1 - 10
alkyd resin	proprietary	1 - 10
toluene	108-88-3	1 - 10
butyl cellosolve	111-76-2	1 - 10
m-xylene	108-38-3	< 1
ethylbenzene	100-41-4	< 1
o-xylene	95-47-6	< 1
p-xylene	106-42-3	< 1
calcium alkanoate	proprietary	< 0.1
isobutyl acetate	110-19-0	< 0.1
benzene	71-43-2	< 0.1

### **Section 4: First Aid Measures**

**Eye Contact:**

If exposure occurs, flush the affected eye for at least 20 minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical attention immediately after flushing.

## Material Safety Data Sheet

Product Name: PERFECT BLEND™ GLOSS

---

### Ingestion:

Do not induce vomiting. Dilute with water or milk. Never give fluids if the victim is unconscious or having convulsions. Seek medical attention immediately.

### Skin Contact:

If exposure occurs, wash the affected area thoroughly with soap and water. Wash contaminated clothing and shoes. Seek medical attention.

### Inhalation:

Remove to fresh air. If not breathing, administer CPR until help arrives or the victim starts to breathe on his own. If breathing is difficult, give oxygen. Seek medical attention immediately.

## **Section 5: Fire Fighting Measures**

### Extinguishing Media:

Use alcohol foam, dry chemical, carbon dioxide or any Class B fire extinguishing agent. Water may be unsuitable for extinguishing fires. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

### Products of Combustion:

### Protection of Firefighters / Explosion Hazards:

Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazards while extinguishing the fire. Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers. Use water spray to disperse vapors if a spill or leak has not ignited. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished.

## **Section 6: Accidental Release Measures**

**Material Safety Data Sheet**

**Product Name:** PERFECT BLEND™ GLOSS

**Section 7: Handling and Storage**

**Handling:**

**Storage:**

**Section 8: Exposure / Personal Protection**

**OSHA 29 CFR 1910.1000 Air Contaminants – Tables:**

<b>Chemical</b>	<b>CAS</b>	<b>Z-1 PEL (units as noted)</b>	<b>Z-2 PEL (PPM)</b>	<b>Z-3 Status</b>	<b>Specifically Regulated see:</b>	<b>ACGIH TLV (units as noted)</b>
dimethylether	115-10-6					
n-butyl acetate	123-86-4	710 MGM3 (150 PPM)				150 PPM
ethyl acetate	141-78-6	1400 MGM3 (400 PPM)				400 PPM
methyl isobutyl ketone	108-10-1	410 MGM3 (100 PPM)				20 PPM
acetone	67-64-1	2400 MGM3 (1000 PPM)				500 PPM
propylene glycol monomethyl ether	107-98-2					100 PPM
cellulose nitrate, cellulose ester	9004-70-0					
butanol	71-36-3	300 MGM3 (100 PPM)				20 PPM
alkyd resin	proprietary NCP					
isopropanol	67-63-0	980 MGM3 (400 PPM)				200 PPM
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0					
alkyd resin	proprietary					
toluene	108-88-3		200 PPM			20 PPM
butyl cellosolve	111-76-2	240 MGM3 (50 PPM)				20 PPM
m-xylene	108-38-3	435 MGM3 (100 PPM)				100 PPM
ethylbenzene	100-41-4	435 MGM3 (100 PPM)				100 PPM
o-xylene	95-47-6	435 MGM3 (100 PPM)				100 PPM
p-xylene	106-42-3	435 MGM3 (100 PPM)				100 PPM
calcium alkanoate	proprietary					
isobutyl acetate	110-19-0	700 MGM3 (150 PPM)				150 PPM
benzene	71-43-2		10 PPM		29 CFR 1910.1028	0.5 PPM

## Material Safety Data Sheet

Product Name: PERFECT BLEND™ GLOSS

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### Engineering Controls:

### Eye / Face Protection:

### Skin Protection:

### Respiratory Protection:

A NIOSH-approved air-purifying respirator with the appropriate cartridge may be appropriate under certain circumstances where airborne concentrations are expected to exceed permissible exposure limits. Protection provided by air-purifying respirators is limited. Use a positive-pressure, air supplied respirator if there is potential for an uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

### General Hygiene Considerations:

## **Section 9: Physical and Chemical Properties**

<b>Physical State:</b>	Clear Liquid
<b>Odor:</b>	Strong Solvent
<b>Odor Threshold:</b>	Not determined.
<b>pH:</b>	Not determined.
<b>Freezing Point:</b>	Not determined.
<b>Boiling Point:</b>	Not determined.
<b>Flash Point (°F):</b>	-42 (CALC>)
<b>Evaporation Rate:</b>	Not determined.
<b>Flammability (solid, gas):</b>	Not determined.
<b>Upper Flammability Limit:</b>	Not determined.
<b>Lower Flammability Limit:</b>	Not determined.
<b>Vapor Pressure:</b>	Not determined.
<b>Vapor Density:</b>	Not determined.

## Material Safety Data Sheet

Product Name: PERFECT BLEND™ GLOSS

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Specific Gravity:	0.78
Weight per Gallon (lbs):	6.48
Solubility (water):	Not determined.
Partition Coefficient (n-octanol/water):	Not determined.
Auto-ignition Temperature:	Not determined.
Coating VOC g/l:	720.48
Coating VOC lbs/gal:	6
Material VOC g/l:	674.88
Material VOC lbs/gal:	5.62
Solids VOL%:	4.32
Solids WT %:	6.6

Contains Photochemically Reactive Solvent.

VOC data per US EPA guidelines. Some states and localities have guidelines more stringent than federal regulations.

Aerosol coating product category codes and applicable reactivity limits are displayed on product labels per 40 CFR 59.507.

### **Section 10: Stability and Reactivity**

Stability:

Conditions to Avoid/Incompatible Materials:

Hazardous Decomposition Products:

## Material Safety Data Sheet

Product Name: PERFECT BLEND™ GLOSS

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### Section 11: Toxicology Information

Chemical	CAS	IARC	NTP
dimethylether	115-10-6		
n-butyl acetate	123-86-4		
ethyl acetate	141-78-6		
methyl isobutyl ketone	108-10-1		
acetone	67-64-1		
propylene glycol monomethyl ether	107-98-2		
cellulose nitrate, cellulose ester	9004-70-0		
butanol	71-36-3		
alkyd resin	proprietary NCP		
isopropanol	67-63-0		
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0		
alkyd resin	proprietary		
toluene	108-88-3		
butyl cellosolve	111-76-2		
m-xylene	108-38-3		
ethylbenzene	100-41-4		
o-xylene	95-47-6		
p-xylene	106-42-3		
calcium alkanoate	proprietary		
isobutyl acetate	110-19-0		
benzene	71-43-2	*	*

Toxicological evaluation of this product as a whole has not been performed. Individual components that are potential or known carcinogens are listed above.

### Section 12: Ecological Information

## Material Safety Data Sheet

**Product Name:** PERFECT BLEND™ GLOSS

### Section 13: Disposal Considerations

### Section 14: Transportation Information

**DOT Basic description:** UN1950, AEROSOLS, FLAMMABLE, 2.1

See 49 CFR 172.101 for Special Provisions, Packaging, and Quantity Limitations.

### Section 15: Regulatory Information

Chemical Name	CAS	CERCLA	CERCLA RQ	EPCRA EHS	EPCRA TPQ	SARA 313	TSCA	DSL	EINECS	Proposition 65	WHMIS
dimethylether	115-10-6						*	*	*		
n-butyl acetate	123-86-4	*	5000 LBS				*	*	*		*
ethyl acetate	141-78-6	*	5000 LBS				*	*	*		*
methyl isobutyl ketone	108-10-1	*	5000 LBS			*	*	*	*		*
acetone	67-64-1	*	5000 LBS				*	*	*		*
propylene glycol monomethyl ether	107-98-2						*	*	*		*
cellulose nitrate, cellulose ester	9004-70-0	*	100 LBS				*	*			
butanol	71-36-3	*	5000 LBS			*	*	*	*		*
alkyd resin	proprietary NCP										
isopropanol	67-63-0					*	*	*	*		*
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0						*	*	*		
alkyd resin	proprietary										
toluene	108-88-3	*	1000 LBS			*	*	*	*	*	*
butyl cellosolve	111-76-2						*	*	*		*
m-xylene	108-38-3	*	1000 LBS			*	*	*	*		*
ethylbenzene	100-41-4	*	1000 LBS			*	*	*	*	*	*
o-xylene	95-47-6	*	1000 LBS			*	*	*	*		*
p-xylene	106-42-3	*	100 LBS			*	*	*	*		*
calcium alkanoate	proprietary										
isobutyl acetate	110-19-0	*	5000 LBS				*	*	*		*
benzene	71-43-2	*	10 LBS			*	*	*	*	*	*

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

## Material Safety Data Sheet

Product Name: PERFECT BLEND™ GLOSS

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### Section 16: Other Information

HMIS Codes            Health 2            Flammability 4            Reactivity 0

#### Key to Abbreviations:

*	Item appears on indicated list (or inventory)
ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service Registry Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLA RQ	CERCLA Reportable Quantity
CFR	Code of Federal Regulations
CPR	Cardiopulmonary resuscitation
DSL	Domestic Substances List of Canada
EINECS	European Inventory of Existing Chemical Substances
EPCRA	Emergency Planning and Community Right-to-know Act
EPCRA EHS	EPCRA Extremely Hazardous Substance
EPCRA TPQ	EPCRA Threshold Planning Quantity
°F	Fahrenheit degrees
g/l	Grams per liter
gal	Gallons
IARC	International Agency for Research on Cancer
lbs or LBS	Pounds
MGM3	Milligrams per cubic meter
MIR	Maximum Incremental Reactivity
MSDS	Material Safety Data Sheet
NCP	WHMIS Non-Controlled Product
NIOSH	National Institute of Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PPM	Parts per million
Proposition 65	California's Safe Drinking Water and Toxic Enforcement Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
VOL	Volume
WT	Weight
WHMIS	Canadian Workplace Hazardous Materials Information System
UN	United Nations