

# valspar

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## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

**Product ID:** 84T602  
**Product Name:** R-CURE 200 HOPPER CAR BLUE CURING AGENT  
**Product Use:** Paint or Coatings Related Product  
**Effective date:** 24/Sep/2012  
**Revision Date:** 24/Sep/2012  
**UN ID Number (msds):** UN1263  
**WHMIS Classification:** D2B Toxic Material D2A Very Toxic Material B2 Flammable Liquids

#### Company Identification

Valspar, Inc.  
 1915 Second Street West  
 Cornwall, Ontario K6H 5T1

**Tech Info Phone:** 1-613-932-8960

**24-Hour Medical Emergency Phone:** 1-888-345-5732

### 2. HAZARDS IDENTIFICATION

#### Primary Routes of Exposure:

Inhalation  
 Ingestion  
 Skin absorption

#### Eye Contact:

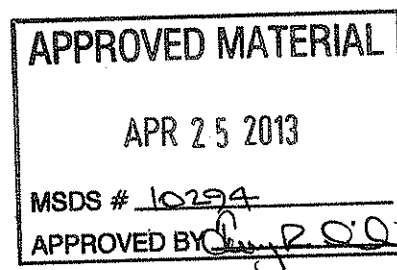
- Moderate eye irritation

#### Skin Contact:

- Causes skin irritation.
- Dermatitis
- Harmful if absorbed through skin.
- Can be absorbed through skin.

#### Ingestion:

Product ID: 84T602



- Irritation of the mouth, throat, and stomach.
- Harmful if swallowed.
- Aspiration hazard if swallowed - can enter lungs and cause damage.

**Inhalation:**

- Causes respiratory tract irritation.
- Harmful by inhalation.

**Target Organ and Other Health Effects:**

- Kidney injury may occur.
- Causes headache, drowsiness or other effects to the central nervous system.
- Liver injury may occur.
- Spleen damage may occur.
- Contains glycol ether which has been shown to cause blood effects damage in laboratory animals.

**This product contains ingredients that may contribute to the following potential chronic health effects:**

- 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.
- Possible sensitization.

**3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS**

Ingredient Name CAS-No.	Approx. Weight %	Chemical Name	CAS Number
XYLENE 1330-20-7	35 - 40	Xylenes (o-, m-, p- isomers)	1330-20-7
POLYAMIDE BASED RES. 68410-23-1	35 - 40	FATTY ACIDS,C18- UNSTD., DIMERS, REACTION PRODUCTS WITH POLYETHYLENEPOLYA MINES	68410-23-1
ETHYLBENZENE 100-41-4	5 - 10	Ethyl benzene	100-41-4
ISOPROPYL ALCOHOL 67-63-0	5 - 10	Isopropyl alcohol	67-63-0
RESIN 25036-25-3	5 - 10	Phenol, 4,4'-(1- methylethylidene)bis-, polymer with 2,2'-[(1- methylethylidene)bis(4,1- phenyleneoxymethylene)] bis[oxirane]	25036-25-3
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	1 - 5	2-Butoxyethanol	111-76-2

If this section is blank there are no hazardous components per WHMIS guidelines.

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

**4. FIRST AID MEASURES**

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**Eye Contact:**

Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyes wide apart.

**Skin Contact:**

Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

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**Ingestion:**

Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention immediately.

**Inhalation:**

Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.

**Medical conditions aggravated by exposure:**

Any respiratory or skin condition.

#### 5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	67
Flash point (Celsius):	19
Lower explosive limit (%):	1
Upper explosive limit (%):	12
Autoignition temperature:	not determined
Sensitivity to impact:	no
Sensitivity to static discharge:	Subject to static discharge hazards. Please see bonding and grounding information in Section 7.
Hazardous combustion products:	See Section 10.

**Unusual fire and explosion hazards:**

None known.

**Extinguishing media:**

Carbon dioxide, dry chemical, foam and/or water fog.

**Fire fighting procedures:**

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

**Action to be taken if material is released or spilled:**

Ventilate the area. Avoid breathing dust or vapor. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, "Handling and Storage", for proper container and storage procedures. Remove all sources of ignition. Soak up with inert absorbent material. Use only non-sparking tools. Avoid all personal contact.

#### 7. HANDLING AND STORAGE

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### Precautions to be taken in handling and storage:

Keep away from heat, sparks and open flame. - No smoking. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

## 8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

### Personal Protective Equipment

#### Eye and face protection:

Wear safety glasses or goggles to protect against exposure.

#### Skin protection:

Gloves: Neoprene or other nonporous.

#### Other Personal Protection Data:

To prevent skin contact wear protective clothing covering all exposed areas. Chemical resistant apron

#### Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

#### Ventilation

Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment.

### Exposure Guidelines

#### OSHA Permissible Exposure Limits (PEL's)

Ingredient Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
XYLENE 1330-20-7	35 - 40	100 ppm TWA 435 mg/m <sup>3</sup> TWA		
ETHYLBENZENE 100-41-4	5 - 10	100 ppm TWA 435 mg/m <sup>3</sup> TWA		
ISOPROPYL ALCOHOL 67-63-0	5 - 10	400 ppm TWA 980 mg/m <sup>3</sup> TWA		
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	1 - 5	240 mg/m <sup>3</sup> TWA 50 ppm TWA		prevent or reduce skin absorption

#### ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
XYLENE 1330-20-7	35 - 40	100 ppm TWA	150 ppm STEL		
ETHYLBENZENE 100-41-4	5 - 10	100 ppm TWA	125 ppm STEL		

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
ISOPROPYL ALCOHOL 67-63-0	5 - 10	200 ppm TWA	400 ppm STEL		
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	1 - 5	20 ppm TWA			

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	liquid
pH:	not determined
Vapor pressure:	90.2255639 mmHg @ 77°F (25°C)
Vapor density (air = 1.0):	4.1
Boiling point:	180.5°F (83°C)
Solubility in water:	not determined
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	7.58
Specific Gravity:	.91
Evaporation rate (butyl acetate = 1.0):	2.3
Flash point (Fahrenheit):	67
Flash point (Celsius):	19
Lower explosive limit (%):	1
Upper explosive limit (%):	12
Autoignition temperature:	not determined

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat.
Incompatibility:	Strong oxidizing agents
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide. Ammonia compounds. Nitrogen compounds.

**Sensitivity to static discharge:** Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

## 11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS-No.	Approx. Weight %	NIOSH - Selected LD50s and LC50s
XYLENE 1330-20-7	35 - 40	= 4300 mg/kg Oral LD50 Rat = 47635 mg/L Inhalation LC50 Rat 4 h = 5000 ppm Inhalation LC50 Rat 4 h > 1700 mg/kg Dermal LD50 Rabbit
ETHYLBENZENE 100-41-4	5 - 10	= 15354 mg/kg Dermal LD50 Rabbit = 17.2 mg/L Inhalation LC50 Rat 4 h = 3500 mg/kg Oral LD50 Rat
ISOPROPYL ALCOHOL 67-63-0	5 - 10	= 12800 mg/kg Dermal LD50 Rat = 12870 mg/kg Dermal LD50 Rabbit = 4396 mg/kg Oral LD50 Rat = 72.6 mg/L Inhalation LC50 Rat 4 h

## 11. TOXICOLOGICAL INFORMATION

ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	1 - 5	= 2.21 mg/L Inhalation LC50 Rat 4 h = 220 mg/kg Dermal LD50 Rabbit = 2270 mg/kg Dermal LD50 Rat = 450 ppm Inhalation LC50 Rat 4 h = 470 mg/kg Oral LD50 Rat
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### Mutagens/Teratogens/Carcinogens:

Contains ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans.

Ingredient Name CAS-No.	Approx. Weight %	California Prop 65 - Reproductive (Female)	California Prop 65 - Carcinogen
ETHYLBENZENE 100-41-4	5 - 10		Listed. initial date 6/11/04 - carcinogen

Ingredient Name CAS-No.	Approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - Limited Human Data	IARC Group 2B - Sufficient Animal Data
ETHYLBENZENE 100-41-4	5 - 10			Monograph 77 [2000]

Ingredient Name CAS-No.	Approx. Weight %	NTP Known Carcinogens	NTP Suspect Carcinogens	NTP Evidence of Carcinogenicity
XYLENE 1330-20-7	35 - 40			male rat-no evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence
ETHYLBENZENE 100-41-4	5 - 10			male rat-clear evidence; female rat-some evidence; male mice- some evidence; female mice-some evidence
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	1 - 5			male rat-no evidence; female rat-equivocal evidence; male mice- some evidence; female mice-some evidence

Ingredient Name CAS-No.	Approx. Weight %	OSHA - Hazard Communication Carcinogens	OSHA - Specifically Regulated Carcinogens	ACGIH Carcinogens
ETHYLBENZENE 100-41-4	5 - 10	Present		A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	1 - 5			A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans

## 12. ECOLOGICAL DATA

No information on ecology is available.

### 13. DISPOSAL CONSIDERATIONS

Dispose of waste at an approved hazardous waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations.

### 14. TRANSPORTATION INFORMATION

#### Canadian Transport of Dangerous Goods

Proper Shipping Name: PAINT  
Hazard Class: 3  
UN ID Number (msds): UN1263  
Packing Group: II

#### TDG Clear Language Exceptions:

For Dangerous Goods, the supplier may apply one of the following exceptions (TDG Reference): Limited quantity/Consumer Commodity (1.17), Does not sustain combustion, etc. (2.18), Viscous liquid (2.19), Flammable liquid General Exemption (1.33) or US DOT Reciprocity (9.1,3 & 4). Please consult current TDG regulations before applying any of these exceptions to subsequent shipments.

#### International Air Transport Association (IATA):

Proper Shipping Name: Paint  
Hazard Class: 3  
UN ID Number (msds): UN1263  
Packing Group: II

#### International Maritime Organization (IMO):

Proper Shipping Name: PAINT  
Hazard Class: 3  
IMO UN/ID Number (msds): UN1263  
Packing Group: II

### 15. REGULATORY INFORMATION

#### INTERNATIONAL REGULATIONS - Chemical Inventories

##### Canada Domestic Substances List:

All components of this product are listed on the Domestic Substances List.

##### US TSCA Inventory:

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

##### Canada National Pollutant Release Inventory:

Ingredient Name CAS-No.	Approx. Weight %	NPRI Status
XYLENE 1330-20-7	35 - 40	Part 1, Group 1 Substance Part 5 Substance Part 1, Group 1 Substance
ETHYLBENZENE 100-41-4	5 - 10	Part 1, Group 1 Substance
ISOPROPYL ALCOHOL 67-63-0	5 - 10	Part 1, Group 1 Substance Part 5 Substance Part 1, Group 1 Substance

Ingredient Name CAS-No.	Approx. Weight %	NPRI Status
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	1 - 5	Part 1, Group 1 Substance Part 5 Substance Part 1, Group 1 Substance

## 16. OTHER INFORMATION

### HMIS Codes

Health: 2\*  
 Flammability: 3  
 Reactivity: 1  
 PPE: X - See Section 8 for Personal Protective Equipment (PPE).

### Abbreviations:

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

### Disclaimer:

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This MSDS contains additional information required by the state of Pennsylvania.

### Preparation Information:

Prepared By: Regulatory Affairs Department  
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### Technical Information:

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