



## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

**Product ID:** 044.0021840.007  
Product Name: VAL HD ALUMINUM  
Product Use: Paint product.  
Print date: 05/May/2010  
Revision Date: 11/Mar/2010

#### Company Identification

The Valspar Corporation - Architectural Coatings Division  
1191 Wheeling Road  
Wheeling, IL 60090

**Manufacturer's Phone:** 1-847-520-8580

**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
- May cause defatting of the skin.
- May cause sensitization by skin contact.

#### Ingestion:

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

#### Inhalation:

- Causes respiratory tract irritation.
- Harmful by inhalation.
- May cause sensitization by inhalation.

**Target Organ and Other Health Effects:**

- Causes headache, drowsiness or other effects to the central nervous system.
- Kidney injury may occur.
- Liver injury may occur.

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

- Possible sensitization.
- 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.

**Carcinogens:**

- Possible cancer hazard. Contains material which may cause cancer based on animal data.

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

Ingredient Name CAS-No.	Approx. Weight %	Chemical Name
MINERAL SPIRITS 64742-47-8	20 - 25	Petroleum distillates, hydrotreated light
NAPHTHA 64742-88-7	15 - 20	SOLVENT NAPHTHA, PETROLEUM, MEDIUM ALIPH
ALUMINUM 7429-90-5	5 - 10	Aluminum
AROMATIC NAPHTHA, LIGHT 64742-95-6	1 - 5	Petroleum naphtha, light aromatic
COBALT OCTOATE 136-52-7	.1 - 1	Hexanoic acid, 2-ethyl-, cobalt(2+) salt

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

**4. FIRST AID MEASURES****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.

**Ingestion:**

Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. 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. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration.

**Medical conditions aggravated by exposure:**

Any respiratory or skin condition.

**5. FIRE FIGHTING MEASURES**

Flash point (Fahrenheit): 102

## 5. FIRE FIGHTING MEASURES

Flash point (Celsius):	39
Lower explosive limit (%):	0.9
Upper explosive limit (%):	7
Autoignition temperature:	not determined
Sensitivity to impact:	no
Sensitivity to static discharge:	Can be sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.
Hazardous combustion products:	See Section 10.

### Unusual fire and explosion hazards:

Contaminated rags, wipes, saw dust, etc., may catch fire spontaneously. Store waste under water in closed metal containers or in approved self-closing containers designed to prevent spontaneous combustion until disposed of in compliance with applicable regulations. Oxidizing Material

### 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 contact with eyes.

## 7. HANDLING AND STORAGE

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

This coating contains aluminum pigment, store in a dry area. Aluminum may react with water, acids and caustics slowly producing gas and heat. In a sealed drum this may cause a pressure build-up over a period of time and drum should be vented before opening. 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:

Chemical goggles, also wear a face shield if splashing hazard exists.

#### Skin protection:

Appropriate chemical resistant gloves should be worn.

#### Other Personal Protection Data:

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

### 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
ALUMINUM 7429-90-5	5 - 10	15 mg/m <sup>3</sup> TWA dust total 5 mg/m <sup>3</sup> TWA respirable fraction		

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

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
ALUMINUM 7429-90-5	5 - 10	1 mg/m <sup>3</sup> TWA respirable fraction			
COBALT OCTOATE 136-52-7	.1 - 1	0.02 mg/m <sup>3</sup> Co			

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	liquid
pH:	not determined
Vapor pressure:	4.5112782 mmHg @ 68°F (20°C)
Vapor density (air = 1.0):	5.5
Boiling point:	not determined
Solubility in water:	not determined
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	8.11
Evaporation rate (butyl acetate = 1.0):	0.1
Flash point (Fahrenheit):	102
Flash point (Celsius):	39
Lower explosive limit (%):	0.9
Upper explosive limit (%):	7
Autoignition temperature:	not determined

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	This product may react with water, acids, and caustics, slowly producing gas and heat. Heat.
Incompatibility:	Strong oxidizing agents
Hazardous Polymerization:	None anticipated.

## 10. STABILITY AND REACTIVITY

Hazardous Decomposition Products:

Carbon monoxide and carbon dioxide. Metal oxide fumes.

Sensitivity to static discharge:

Can be sensitive 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
MINERAL SPIRITS 64742-47-8	20 - 25	> 2000 mg/kg Dermal LD50 Rabbit > 5.2 mg/L Inhalation LC50 Rat 4 h > 5000 mg/kg Oral LD50 Rat
NAPHTHA 64742-88-7	15 - 20	= 3000 mg/kg Dermal LD50 Rabbit > 5.28 mg/L Inhalation LC50 Rat 4 h > 5000 mg/kg Oral LD50 Rat
AROMATIC NAPHTHA, LIGHT 64742-95-6	1 - 5	= 3400 ppm Inhalation LC50 Rat 4 h = 8400 mg/kg Oral LD50 Rat > 2000 mg/kg Dermal LD50 Rabbit > 5.2 mg/L Inhalation LC50 Rat 4 h

### Mutagens/Teratogens/Carcinogens:

Possible cancer hazard. Contains material which may cause cancer based on animal data.

The International Agency For Research On Cancer (IARC) has determined that Cobalt and Cobalt Compounds are substances that are possibly carcinogenic to humans (IARC group 2B).

Ingredient Name CAS-No.	Approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - Limited Human Data	IARC Group 2B - Sufficient Animal Data
COBALT OCTOATE 136-52-7	.1 - 1			Monograph 52 [1991]

Ingredient Name CAS-No.	Approx. Weight %	NTP Known Carcinogens	NTP Suspect Carcinogens	NTP Evidence of Carcinogenicity
NAPHTHA 64742-88-7	15 - 20			male rat-some evidence; female rat-no evidence; male mice-no evidence; female mice-equivocal evidence

Ingredient Name CAS-No.	Approx. Weight %	OSHA - Hazard Communication Carcinogens	OSHA - Specifically Regulated Carcinogens	ACGIH Carcinogens
COBALT OCTOATE 136-52-7	.1 - 1	Present		Group A3 Confirmed animal carcinogen with unknown relevance to humans.

## 12. ECOLOGICAL DATA

No information on ecology is available.

## 13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

### U.S. Department of Transportation

UN ID Number (msds): UN1263  
Proper Shipping Name: PAINT  
Hazard Class: COMBUSTIBLE LIQUID  
Packing Group: III

### U.S. Highway & Rail Shipments

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

### Reportable Quantity Description:

### International Air Transport Association (IATA):

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

### International Maritime Organization (IMO):

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

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

Ingredient Name CAS-No.	Approx. Weight %	SARA 302	SARA 313	CERCLA RQ in lbs.
ALUMINUM 7429-90-5	5 - 10		Form R reporting required for 1.0 % de minimis concentration	
COBALT OCTOATE 136-52-7	.1 - 1		YES	1

### SARA 311/312 Hazard Class:

Acute: yes  
Chronic: yes  
Flammability: yes  
Reactivity: no  
Sudden Pressure: no

### U.S. STATE REGULATIONS:

#### Right to Know:

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

## Pennsylvania Right To Know:

MINERAL SPIRITS	64742-47-8
NAPHTHA	64742-88-7
AROMATIC NAPHTHA, LIGHT	64742-95-6
ALUMINUM	7429-90-5

## Additional Non-Hazardous Materials

PROPRIETARY OIL	Trade Secret
PROPRIETARY RESIN	Trade Secret
PROPRIETARY RESIN	Trade Secret

**Rule 66 status of product** Not photochemically reactive.

## INTERNATIONAL REGULATIONS - Chemical Inventories

### US TSCA Inventory:

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

### Canada Domestic Substances List:

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

## 16. OTHER INFORMATION

### HMIS Codes

<b>Health:</b>	2*
<b>Flammability:</b>	2
<b>Reactivity:</b>	1
<b>PPE:</b>	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:

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