

# The Valspar Corporation

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Material Identification

**Product ID:** 95102-6847  
 Product Name: 4380 BLACK POLYESTER  
 Product Use: Paint product.  
 Print date: 2005/04/30  
 Revision Date: 2005/02/12

#### Company Identification

The Valspar Corporation  
 1101 Third Street South  
 Minneapolis, MN 55415  
 Manufacturer's Phone: 1-612-332-7371

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

### 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Common Name<br>CAS-No.                         | approx.<br>Weight % | Chemical name                          |
|------------------------------------------------|---------------------|----------------------------------------|
| XYLENE<br>1330-20-7                            | 15 - 20             | Xylenes (o-, m-, p- isomers)           |
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              | 2-Butoxyethanol                        |
| AROMATIC NAPHTHA<br>64742-94-5                 | 5 - 10              | SOLVENT NAPHTHA, PETROLEUM, HEAVY AROM |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5               | Ethyl benzene                          |
| N-BUTYL ALCOHOL<br>71-36-3                     | 1 - 5               | n-Butyl alcohol                        |
| ISOPHORONE<br>78-59-1                          | 1 - 5               | Isophorone                             |
| AROMATIC NAPHTHA,<br>LIGHT<br>64742-95-6       | 1 - 5               | Petroleum naphtha, light aromatic      |
| 1,2,4-TRIMETHYLBENZENE<br>95-63-6              | 1 - 5               | PSEUDO CUMENE                          |
| Trade Secret :<br>SUPPLIER TRADE SECRET        | 1 - 5               | SUPPLIER TRADE SECRET                  |
| NAPHTHALENE<br>91-20-3                         | .1 - 1              | Naphthalene                            |
| FORMALDEHYDE<br>50-00-0                        | 0 - .1              | Formaldehyde                           |

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

### 3. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:**

Inhalation  
Ingestion  
Skin absorption

**Emergency Overview:**

This section not in use.

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

**Inhalation Effects:**

Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or respiratory irritation.

**Eye Contact:**

Corneal Injury/eye damage. May cause eye burns.

**Skin Contact:**

Harmful if absorbed through the skin.

**Acute Ingestion:**

May cause nausea and vomiting. May be harmful if swallowed.

**Other Effects:**

May cause liver damage. May cause kidney damage.

**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. This product contains ingredients which may produce an allergic respiratory response. Treat as a respiratory sensitizer. May cause eye damage and pain. Contains a component which is a known or suspected skin sensitizer. Contains glycol ether which has been shown to cause blood effects damage in laboratory animals. May cause liver damage. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk of cancer depends on duration and level of exposure. Suspect cancer hazard. Contains ingredients which may cause cancer. Risk of cancer depends upon the duration and level of exposure. Contains formaldehyde which is considered a potential carcinogen by the Occupational Health and Safety Administration. May cause kidney damage. Hearing loss. Possible sensitization.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

### 4. FIRST AID MEASURES

**Inhalation:**

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Eye Contact:**

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get

medical attention immediately after flushing.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean contaminated shoes.

**Ingestion:**

If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately. If swallowed, get medical attention immediately.

**Medical conditions aggravated by exposure:** Any respiratory or skin condition.

## 5. FIRE FIGHTING MEASURES

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| Flash point (Fahrenheit):        | 106° F ( 41° C) TCC/PM                                                                                   |
| Lower explosive limit:           | 1 %                                                                                                      |
| Upper explosive limit:           | 11 %                                                                                                     |
| Autoignition temperature:        | Not available.° F ( ° C)                                                                                 |
| 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:**

None known.

**Extinguishing media:**

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

**Fire fighting procedures:**

Use water spray to cool nearby containers and structures exposed to fire.

## 6. ACCIDENTAL RELEASE MEASURES

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

Ventilate area. Avoid breathing of vapors. 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 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Remove sources of ignition. Remove with inert absorbent and non sparking tools. Avoid contact with eyes.

## 7. HANDLING AND STORAGE

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

Keep away from heat, sparks, and flames. 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:

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

#### Skin protection:

Appropriate chemical resistant gloves should be worn. 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

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof.

### Exposure Guidelines

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

| Common Name<br>CAS-No.                         | approx.<br>Weight % | TWA (final)                                                                                                                 | Ceilings limits (final) | Skin designations                    |
|------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------|
| XYLENE<br>1330-20-7                            | 15 - 20             | 435 MGM3 100 ppm                                                                                                            |                         |                                      |
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              | 240 MGM3 50 ppm                                                                                                             |                         | Can be absorbed<br>through the skin. |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5               | 435 MGM3 100 ppm                                                                                                            |                         |                                      |
| N-BUTYL ALCOHOL<br>71-36-3                     | 1 - 5               | 300 MGM3 100 ppm                                                                                                            |                         |                                      |
| ISOPHORONE<br>78-59-1                          | 1 - 5               | 140 MGM3 25 ppm                                                                                                             |                         |                                      |
| Trade Secret :<br>SUPPLIER TRADE SECRET        | 1 - 5               | 3.5 MGM3<br>5 MGM3 Respirable<br>fraction.<br>15 MGM3 Total dust.<br>Respirable fraction.<br>Listed.<br>Total dust. Listed. |                         |                                      |
| NAPHTHALENE<br>91-20-3                         | .1 - 1              | 50 MGM3 10 ppm                                                                                                              |                         |                                      |
| FORMALDEHYDE<br>50-00-0                        | 0 - .1              | 0.75 ppm                                                                                                                    |                         |                                      |

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

| Common Name<br>CAS-No. | approx.<br>Weight % | TWA | STEL | Ceiling limits | Skin<br>designations |
|------------------------|---------------------|-----|------|----------------|----------------------|
|------------------------|---------------------|-----|------|----------------|----------------------|

|                                                |         |                                                                                      |         |         |                                      |
|------------------------------------------------|---------|--------------------------------------------------------------------------------------|---------|---------|--------------------------------------|
| XYLENE<br>1330-20-7                            | 15 - 20 | 100 ppm                                                                              | 150 ppm |         |                                      |
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10  | 20 ppm                                                                               |         |         |                                      |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5   | 100 ppm                                                                              | 125 ppm |         |                                      |
| N-BUTYL ALCOHOL<br>71-36-3                     | 1 - 5   | 20 ppm                                                                               |         |         |                                      |
| ISOPHORONE<br>78-59-1                          | 1 - 5   |                                                                                      |         | 5 ppm   |                                      |
| 1,2,4-TRIMETHYLBENZENE<br>95-63-6              | 1 - 5   | 25 ppm                                                                               |         |         |                                      |
| Trade Secret :<br>SUPPLIER TRADE SECRET        | 1 - 5   | 3.5 MGM3<br>10 MGM3<br>Inhalable<br>particles.<br>3 MGM3<br>Respirable<br>particles. |         |         |                                      |
| NAPHTHALENE<br>91-20-3                         | .1 - 1  | 10 ppm                                                                               | 15 ppm  |         | Can be absorbed<br>through the skin. |
| FORMALDEHYDE<br>50-00-0                        | 0 - .1  |                                                                                      |         | 0.3 ppm |                                      |

If this section is blank, no information is available.

## 9. PHYSICAL PROPERTIES

Odor: Normal for this product type.  
Physical State: Liquid  
pH: Not determined.  
Vapor pressure: 10 mmHG @ 68° F ( 20° C)  
Vapor density (air = 1.0): 4.7  
Boiling point: 243° F ( 117° C)  
Solubility in water: Insoluble. Soluble  
Coefficient of water/oil distribution: Not determined.  
Density (lbs per US gallon): 8.77  
Specific Gravity: 1.05  
Evaporation rate (butyl acetate = 1.0): 1.1

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Conditions to Avoid: None known.  
Incompatibility: Strong oxidizers.  
Hazardous Polymerization: None anticipated.  
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide. Ammonia compounds. Nitrogen compounds.

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

## 11. TOXICOLOGICAL INFORMATION

### 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. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk to your health depends upon the level and duration of exposure.

| Common Name<br>CAS-No.                  | approx.<br>Weight % | IARC Group 1 - Human<br>Evidence | IARC Group 2A -<br>limited human data | IARC Group 2b -<br>sufficient animal data                        |
|-----------------------------------------|---------------------|----------------------------------|---------------------------------------|------------------------------------------------------------------|
| ETHYLBENZENE<br>100-41-4                | 1 - 5               |                                  |                                       | Monograph 77, 2000                                               |
| Trade Secret :<br>SUPPLIER TRADE SECRET | 1 - 5               |                                  |                                       | Monograph 65, 1996                                               |
| NAPHTHALENE<br>91-20-3                  | .1 - 1              |                                  |                                       | POSSIBLY<br>CARCINOGENIC IN<br>HUMANS BASED ON<br>ANIMAL STUDIES |
| FORMALDEHYDE<br>50-00-0                 | 0 - .1              | MONOGRAPH 62,<br>1995            |                                       |                                                                  |

| Common Name<br>CAS-No.   | approx.<br>Weight % | NTP Known<br>carcinogens | NTP Suspect<br>carcinogens | NTP Evidence of<br>carcinogenicity                                                                                    |
|--------------------------|---------------------|--------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| ETHYLBENZENE<br>100-41-4 | 1 - 5               |                          |                            | male rat-clear<br>evidence; female rat-<br>some evidence; male<br>mice-some evidence;<br>female mice-some<br>evidence |
| FORMALDEHYDE<br>50-00-0  | 0 - .1              |                          | Anticipated<br>carcinogen. |                                                                                                                       |

| Common Name<br>CAS-No.                         | approx.<br>Weight % | OSHA Select<br>carcinogens | OSHA Possible select<br>carcinogens | ACGIH Carcinogens                                                               |
|------------------------------------------------|---------------------|----------------------------|-------------------------------------|---------------------------------------------------------------------------------|
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              |                            |                                     | Group A3 Confirmed<br>animal carcinogen with<br>unknown relevance to<br>humans. |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5               |                            |                                     | Group A3 Confirmed<br>animal carcinogen with<br>unknown relevance to<br>humans. |
| ISOPHORONE<br>78-59-1                          | 1 - 5               |                            |                                     | Group A3 Confirmed<br>animal carcinogen with<br>unknown relevance to<br>humans. |
| FORMALDEHYDE<br>50-00-0                        | 0 - .1              |                            | Potential cancer<br>hazard.         | Group A2 Suspected<br>human carcinogen.                                         |

If this section is blank, no information is available.

## 12. ECOLOGICAL DATA

Not available at this time.

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORTATION INFORMATION

### U.S. Department of Transportation

Proper Shipping Name: PAINT  
Hazard Class: 3  
UN ID Number: UN1263  
Packing Group: III

### 49 CFR Hazardous Material Regulations Parts 100-180

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

### International Air Transport Association:

Proper Shipping Name: PAINT  
Hazard Class: 3  
UN ID Number: UN1263  
Packing Group: III

### International Maritime Organization:

Proper Shipping Name: PAINT  
Hazard Class: 3  
UN ID Number: UN1263  
Packing Group: III

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

| Common Name<br>CAS-No.                         | approx.<br>Weight % | SARA 302 | SARA 313                                                          | CERCLA RQ IN LBS. |
|------------------------------------------------|---------------------|----------|-------------------------------------------------------------------|-------------------|
| XYLENE<br>1330-20-7                            | 15 - 20             |          | form R reporting<br>required for 1.0% de<br>minimis concentration | 100               |
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              |          | YES                                                               |                   |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5               |          | form R reporting<br>required for 1.0% de<br>minimis concentration | 1000              |
| N-BUTYL ALCOHOL<br>71-36-3                     | 1 - 5               |          | form R reporting<br>required for 1.0% de<br>minimis concentration | 5000              |

|                                   |        |         |                                                                   |      |
|-----------------------------------|--------|---------|-------------------------------------------------------------------|------|
| ISOPHORONE<br>78-59-1             | 1 - 5  |         |                                                                   | 5000 |
| 1,2,4-TRIMETHYLBENZENE<br>95-63-6 | 1 - 5  |         | form R reporting<br>required for 1.0% de<br>minimis concentration |      |
| NAPHTHALENE<br>91-20-3            | .1 - 1 |         | form R reporting<br>required for 1.0% de<br>minimis concentration | 100  |
| FORMALDEHYDE<br>50-00-0           | 0 - .1 | Listed. | form R reporting<br>required for 0.1% de<br>minimis concentration | 100  |

**SARA 311/312 Hazard Class:**

Acute: Yes  
Chronic: Yes  
Flammability: Yes  
Reactivity: No  
Sudden Pressure: No

**U.S. STATE REGULATIONS:**

**Pennsylvania Right To Know:**

|                                 |              |
|---------------------------------|--------------|
| AROMATIC NAPHTHA                | 64742-94-5   |
| AROMATIC NAPHTHA, LIGHT         | 64742-95-6   |
| N-BUTYL ALCOHOL                 | 71-36-3      |
| ISOPHORONE                      | 78-59-1      |
| 1, 2, 4-TRIMETHYLBENZENE        | 95-63-6      |
| ETHYLBENZENE                    | 100-41-4     |
| ETHYLENE GLYCOL MONOBUTYL ETHER | 111-76-2     |
| XYLENE                          | 1330-20-7    |
| SUPPLIER TRADE SECRET           | Trade Secret |
| FORMALDEHYDE                    | 50-00-0      |

**Additional Non-Hazardous Materials**

|                   |              |
|-------------------|--------------|
| PROPRIETARY RESIN | Trade Secret |
| PROPRIETARY RESIN | Trade Secret |
| PROPRIETARY RESIN | Trade Secret |

**California Proposition 65:**

WARNING: This product contains chemicals known to the State of California to cause cancer.

**Rule 66 status of product** Photochemically reactive.

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**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

|               |                                                            |
|---------------|------------------------------------------------------------|
| Health:       | 3                                                          |
| Flammability: | 2                                                          |
| 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, MPCCF - 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.

# The Valspar Corporation

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Material Identification

**Product ID:** 91107-7368  
Product Name: BLACK POLYURETHANE  
Product Use: Paint product.  
Print date: 24/Jan/2007  
Revision Date: 12/Jan/2007

#### Company Identification

The Valspar Corporation  
1101 Third Street South  
Minneapolis, MN 55415  
Manufacturer's Phone: 1-612-332-7371

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

### 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Common Name<br>CAS-No.                         | Approx.<br>Weight % | Chemical name                          |
|------------------------------------------------|---------------------|----------------------------------------|
| XYLENE<br>1330-20-7                            | 20 - 25             | Xylenes (o-, m-, p- isomers)           |
| AROMATIC NAPHTHA,<br>LIGHT<br>64742-95-6       | 5 - 10              | Petroleum naphtha, light aromatic      |
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              | 2-Butoxyethanol                        |
| ZINC CHROMATE PIGMENT<br>11103-86-9            | 5 - 10              | Zinc potassium chromate                |
| AROMATIC NAPHTHA<br>64742-94-5                 | 5 - 10              | SOLVENT NAPHTHA, PETROLEUM, HEAVY AROM |
| PROPRIETARY RESIN                              | 1 - 5               | PROPRIETARY RESIN                      |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5               | Ethyl benzene                          |
| 1,2,4-TRIMETHYLBENZENE<br>95-63-6              | 1 - 5               | PSEUDO CUMENE                          |
| CARBON BLACK<br>1333-86-4                      | 1 - 5               | CARBON BLACK                           |
| NAPHTHALENE<br>91-20-3                         | .1 - 1              | Naphthalene                            |

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

### 3. HAZARDS IDENTIFICATION

#### Primary Routes of Exposure:

Inhalation  
Ingestion

### 3. HAZARDS IDENTIFICATION

Skin absorption

#### **Emergency Overview:**

This section not in use.

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

#### **Inhalation Effects:**

Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or respiratory irritation.

#### **Eye Contact:**

May cause moderate eye irritation.

#### **Skin Contact:**

Harmful if absorbed through the skin.

#### **Acute Ingestion:**

May be harmful if large amounts are swallowed.

#### **Other Effects:**

May cause liver damage. May cause kidney damage.

**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. May cause eye damage and pain. May cause dermatitis. May cause kidney damage. Contains glycol ether which has been shown to cause blood effects damage in laboratory animals. May cause liver damage. Possible sensitization. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk of cancer depends on duration and level of exposure.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

### 4. FIRST AID MEASURES

#### **Inhalation:**

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

#### **Eye Contact:**

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

#### **Skin Contact:**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean contaminated shoes.

#### **Ingestion:**

If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately. If swallowed, get medical attention immediately.

**Medical conditions aggravated by exposure:** Any respiratory or skin condition.

## 5. FIRE FIGHTING MEASURES

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| Flash point (Fahrenheit):        | 100° F ( 38° C) TCC/PM                                                                                   |
| Lower explosive limit:           | 1 %                                                                                                      |
| Upper explosive limit:           | 11 %                                                                                                     |
| Autoignition temperature:        | Not available. ° F ( ° C)                                                                                |
| 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:

None known.

### Extinguishing media:

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

### Fire fighting procedures:

Use water spray to cool nearby containers and structures exposed to fire.

## 6. ACCIDENTAL RELEASE MEASURES

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

Ventilate area. Avoid breathing of vapors. 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 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Remove sources of ignition. Remove with inert absorbent and non sparking tools. Avoid all personal contact.

## 7. HANDLING AND STORAGE

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

Keep away from heat, sparks, and flames. 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:

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

#### Skin protection:

Gloves: Neoprene or other nonporous. Neoprene or plastic apron and protective clothing covering exposed skin 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

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof. Eliminate ignition sources.

## Exposure Guidelines

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

| Common Name<br>CAS-No.                         | Approx.<br>Weight % | TWA (final)                   | Ceilings limits (final) | Skin designations                    |
|------------------------------------------------|---------------------|-------------------------------|-------------------------|--------------------------------------|
| XYLENE<br>1330-20-7                            | 20 - 25             | 435 mg/m <sup>3</sup> 100 ppm |                         |                                      |
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              | 240 mg/m <sup>3</sup> 50 ppm  |                         | Can be absorbed<br>through the skin. |
| ZINC CHROMATE PIGMENT<br>11103-86-9            | 5 - 10              | 1 mg/m <sup>3</sup> Cr        | 0.1 mg/m <sup>3</sup>   |                                      |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5               | 435 mg/m <sup>3</sup> 100 ppm |                         |                                      |
| CARBON BLACK<br>1333-86-4                      | 1 - 5               | 3.5 mg/m <sup>3</sup>         |                         |                                      |
| NAPHTHALENE<br>91-20-3                         | .1 - 1              | 50 mg/m <sup>3</sup> 10 ppm   |                         |                                      |

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

| Common Name<br>CAS-No.                         | Approx.<br>Weight % | TWA                       | STEL    | Ceiling limits | Skin designations                    |
|------------------------------------------------|---------------------|---------------------------|---------|----------------|--------------------------------------|
| XYLENE<br>1330-20-7                            | 20 - 25             | 100 ppm                   | 150 ppm |                |                                      |
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              | 20 ppm                    |         |                |                                      |
| ZINC CHROMATE PIGMENT<br>11103-86-9            | 5 - 10              | 0.01 mg/m <sup>3</sup> Cr |         |                |                                      |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5               | 100 ppm                   | 125 ppm |                |                                      |
| 1,2,4-TRIMETHYLBENZENE<br>95-63-6              | 1 - 5               | 25 ppm                    |         |                |                                      |
| CARBON BLACK<br>1333-86-4                      | 1 - 5               | 3.5 mg/m <sup>3</sup>     |         |                |                                      |
| NAPHTHALENE<br>91-20-3                         | .1 - 1              | 10 ppm                    | 15 ppm  |                | Can be absorbed<br>through the skin. |

If this section is blank, no information is available.

## 9. PHYSICAL PROPERTIES

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Odor:                                   | Normal for this product type. |
| Physical State:                         | Liquid                        |
| pH:                                     | Not determined.               |
| Vapor pressure:                         | 10 mmHG @ 68° F ( 20° C)      |
| Vapor density (air = 1.0):              | 4.7                           |
| Boiling point:                          | 277° F ( 136° C)              |
| Solubility in water:                    | Insoluble.                    |
| Coefficient of water/oil distribution:  | Not determined.               |
| Density (lbs per US gallon):            | 8.92                          |
| Specific Gravity                        | 1.07                          |
| Evaporation rate (butyl acetate = 1.0): | 1.1                           |

## 10. STABILITY AND REACTIVITY

### Stability

Conditions to Avoid:

Incompatibility:

Hazardous Polymerization:

Hazardous Decomposition Products:

Stable

None known.

Strong oxidizers.

None anticipated.

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

**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. Contains chromates which may cause cancer. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk to your health depends upon the level and duration of exposure.

| Common Name<br>CAS-No.    | Approx.<br>Weight % | IARC Group 1 - Human<br>Evidence | IARC Group 2A - Limited<br>Human Data | IARC Group 2B -<br>Sufficient Animal Data                        |
|---------------------------|---------------------|----------------------------------|---------------------------------------|------------------------------------------------------------------|
| ETHYLBENZENE<br>100-41-4  | 1 - 5               |                                  |                                       | Monograph 77, 2000                                               |
| CARBON BLACK<br>1333-86-4 | 1 - 5               |                                  |                                       | Monograph 65, 1996                                               |
| NAPHTHALENE<br>91-20-3    | .1 - 1              |                                  |                                       | POSSIBLY<br>CARCINOGENIC IN<br>HUMANS BASED ON<br>ANIMAL STUDIES |

| Common Name<br>CAS-No.              | Approx.<br>Weight % | NTP Known<br>Carcinogens | NTP Suspect<br>Carcinogens | NTP Evidence of<br>Carcinogenicity                                                                                 |
|-------------------------------------|---------------------|--------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------|
| ZINC CHROMATE PIGMENT<br>11103-86-9 | 5 - 10              | Known carcinogen.        |                            |                                                                                                                    |
| ETHYLBENZENE<br>100-41-4            | 1 - 5               |                          |                            | male rat-clear evidence;<br>female rat-some<br>evidence; male mice-<br>some evidence; female<br>mice-some evidence |
| NAPHTHALENE<br>91-20-3              | .1 - 1              |                          | Anticipated carcinogen.    |                                                                                                                    |

| Common Name<br>CAS-No.                         | Approx.<br>Weight % | OSHA Select<br>Carcinogens | OSHA Possible Select<br>Carcinogens | ACGIH Carcinogens                                                               |
|------------------------------------------------|---------------------|----------------------------|-------------------------------------|---------------------------------------------------------------------------------|
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              |                            |                                     | Group A3 Confirmed<br>animal carcinogen with<br>unknown relevance to<br>humans. |
| ZINC CHROMATE PIGMENT<br>11103-86-9            | 5 - 10              |                            |                                     | Group A1 Confirmed<br>human carcinogen.                                         |

| Common Name<br>CAS-No.   | Approx.<br>Weight % | OSHA Select<br>Carcinogens | OSHA Possible Select<br>Carcinogens | ACGIH Carcinogens                                                               |
|--------------------------|---------------------|----------------------------|-------------------------------------|---------------------------------------------------------------------------------|
| ETHYLBENZENE<br>100-41-4 | 1 - 5               |                            |                                     | Group A3 Confirmed<br>animal carcinogen with<br>unknown relevance to<br>humans. |

If this section is blank, no information is available.

## 12. ECOLOGICAL DATA

Not available at this time.

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORTATION INFORMATION

### U.S. Department of Transportation

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

### 49 CFR Hazardous Material Regulations Parts 100-180

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

### International Air Transport Association:

Proper Shipping Name: PAINT  
Hazard Class: 3  
UN ID Number: UN1263  
Packing Group: III

### International Maritime Organization:

Proper Shipping Name: PAINT  
Hazard Class: 3  
Non-Bulk UN ID Number: UN1263  
Packing Group: III

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

| Common Name<br>CAS-No.                         | Approx.<br>Weight % | SARA 302 | SARA 313                                                          | CERCLA RQ in lbs. |
|------------------------------------------------|---------------------|----------|-------------------------------------------------------------------|-------------------|
| XYLENE<br>1330-20-7                            | 20 - 25             |          | form R reporting required<br>for 1.0% de minimis<br>concentration | 100               |
| ETHYLENE GLYCOL<br>MONOBUTYL ETHER<br>111-76-2 | 5 - 10              |          | YES                                                               |                   |
| ZINC CHROMATE PIGMENT<br>11103-86-9            | 5 - 10              |          | YES                                                               |                   |

| Common Name<br>CAS-No.            | Approx.<br>Weight % | SARA 302 | SARA 313                                                          | CERCLA RQ in lbs. |
|-----------------------------------|---------------------|----------|-------------------------------------------------------------------|-------------------|
| ETHYLBENZENE<br>100-41-4          | 1 - 5               |          | form R reporting required<br>for 1.0% de minimis<br>concentration | 1000              |
| 1,2,4-TRIMETHYLBENZENE<br>95-63-6 | 1 - 5               |          | form R reporting required<br>for 1.0% de minimis<br>concentration |                   |
| NAPHTHALENE<br>91-20-3            | .1 - 1              |          | form R reporting required<br>for 1.0% de minimis<br>concentration | 100               |

**SARA 311/312 Hazard Class:**

Acute: Yes  
Chronic: Yes  
Flammability: Yes  
Reactivity: No  
Sudden Pressure: No

**U.S. STATE REGULATIONS:**

**Pennsylvania Right To Know:**

|                                 |              |
|---------------------------------|--------------|
| ETHYLBENZENE                    | 100-41-4     |
| ETHYLENE GLYCOL MONOBUTYL ETHER | 111-76-2     |
| ZINC CHROMATE PIGMENT           | 11103-86-9   |
| XYLENE                          | 1330-20-7    |
| CARBON BLACK                    | 1333-86-4    |
| AROMATIC NAPHTHA                | 64742-94-5   |
| AROMATIC NAPHTHA, LIGHT         | 64742-95-6   |
| PROPRIETARY RESIN               | Trade Secret |
| 1,2,4-TRIMETHYLBENZENE          | 95-63-6      |

**Additional Non-Hazardous Materials**

PROPRIETARY RESIN Trade Secret

**California Proposition 65:**

WARNING: This product contains chemicals known to the State of California to cause cancer.

**Rule 66 status of product** Photochemically reactive.

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**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**

**Health:** 3  
**Flammability:** 2  
**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:**

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