



## SAFETY DATA SHEET

Revision date 02-May-2016

Version 9

Supersedes Date: 12-Apr-2016

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Code** 433B442

**Product Name** FLUROPON IVORY

**Other means of identification**

No information available

**Recommended use of the chemical and restrictions on use**

Paint, Coatings

**Details of the supplier of the safety data sheet**

See section 16 for more information

The Valspar Corporation  
PO Box 1461  
Minneapolis, MN 55440

**E-mail address** [msds@valspar.com](mailto:msds@valspar.com)

**Emergency telephone number**

United States of America 1-888-345-5732

American Samoa, Guam, Northern Mariana Islands, Puerto Rico, U.S. Virgin Islands 1-800-255-3924

### Section 2: HAZARDS IDENTIFICATION

**Classification**

|  |            |
|--|------------|
| Serious eye damage/eye irritation                  | Category 2 |
| Carcinogenicity                                    | Category 2 |
| Reproductive toxicity                              | Category 2 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Flammable liquids                                  | Category 3 |

**Label elements**



Signal word

**WARNING**

**HAZARD STATEMENTS**

Flammable liquid and vapor  
Causes serious eye irritation  
Suspected of causing cancer  
Suspected of damaging fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure

**PREVENTION**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

**RESPONSE**

IF exposed or concerned: Get medical advice/attention.

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**Inhalation**

IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

**Ingestion**

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**STORAGE**

Store locked up. Store in a well-ventilated place. Keep cool.

**DISPOSAL**

Dispose of contents/containers in accordance with local regulations.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)**

Not applicable.

**OTHER HAZARDS**

Not applicable.

**UNKNOWN ACUTE TOXICITY**

0% of the mixture consists of ingredient(s) of unknown toxicity.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                           | CAS No     | weight-%     |
|---|------------|--------------|
| Isophorone                              | 78-59-1    | 10 - 25      |
| Titanium dioxide                        | 13463-67-7 | 10 - 25      |
| Ethylene glycol monobutyl ether acetate | 112-07-2   | 5 - 10       |
| Toluene                                 | 108-88-3   | 1 - 3        |
| Formaldehyde                            | 50-00-0    | 10 - 100 ppm |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

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## Section 4: FIRST AID MEASURES

### First Aid Measures

#### **General advice**

IF exposed or concerned: Get medical advice/attention.

#### **Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### **Skin Contact**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

#### **Inhalation**

IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

#### **Ingestion**

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

### Specific hazards arising from the chemical

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes.

### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

## Section 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

### Methods and material for containment and cleaning up

### Methods for containment

Prevent further leakage or spillage if safe to do so.

### Methods for cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

## Section 7: HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

#### General Hygiene Considerations

Avoid contact with skin, eyes or clothing. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep tightly closed in a dry and cool place.

#### Incompatible materials

Strong bases. Strong oxidizing agents. Acids.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

If S\* appears in the OEL table, it indicates this chemical contains a skin notation.

| Chemical Name  | ACGIH TLV                 | OSHA PEL   | NIOSH IDLH  |
|--|---------------------------|--|---|
| Isophorone<br>78-59-1                                  | Ceiling: 5 ppm            | TWA: 25 ppm<br>TWA: 140 mg/m <sup>3</sup>            | IDLH: 200 ppm<br>TWA: 4 ppm<br>TWA: 23 mg/m <sup>3</sup>  |
| Titanium dioxide<br>13463-67-7                         | TWA: 10 mg/m <sup>3</sup> | TWA: 15 mg/m <sup>3</sup> total dust                 | IDLH: 5000 mg/m <sup>3</sup>  |
| Ethylene glycol monobutyl ether<br>acetate<br>112-07-2 | TWA: 20 ppm               |  | TWA: 5 ppm<br>TWA: 33 mg/m <sup>3</sup>   |
| Toluene<br>108-88-3                                    | TWA: 20 ppm               | TWA: 200 ppm<br>Ceiling: 300 ppm                     | IDLH: 500 ppm<br>TWA: 100 ppm<br>TWA: 375 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 560 mg/m <sup>3</sup> |
| Formaldehyde<br>50-00-0                                | Ceiling: 0.3 ppm          | TWA: 0.75 ppm<br>STEL: 2 ppm see 29 CFR<br>1910.1048 | IDLH: 20 ppm<br>Ceiling: 0.1 ppm 15 min<br>TWA: 0.016 ppm   |

### Appropriate engineering controls

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

## **Individual protection measures, such as personal protective equipment**

### **Eye/face protection**

Wear safety glasses with side shields (or goggles).

### **Skin and body protection**

Wear suitable protective clothing. Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

### **Hand Protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

### **Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

### **Thermal Protection**

No information available

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

|                                      |                                  |
|--------------------------------------|----------------------------------|
| <b>Physical state</b>                | liquid                           |
| <b>Appearance</b>                    | No information available         |
| <b>Odor</b>                          | Solvent                          |
| <b>Color</b>                         | ivory                            |
| <b>Odor Threshold</b>                | No information available         |
| <b>pH value</b>                      | No information available         |
| <b>Melting point/freezing point</b>  | No information available         |
| <b>Boiling point / boiling range</b> | No information available °C / °F |
| <b>flash point</b>                   | 28 °C / 82 °F                    |
| <b>evaporation rate</b>              | No information available         |
| <b>Flammability (solid, gas)</b>     | No information available         |
| <b>Flammability Limit in Air</b>     |                                  |
| <b>Upper flammability limit:</b>     | No information available         |
| <b>Lower flammability limit:</b>     | No information available         |
| <b>Vapor Pressure</b>                | No information available         |
| <b>vapor density</b>                 | No information available         |
| <b>Density (lbs per US gallon)</b>   | 11.03                            |
| <b>specific gravity</b>              | 1.32                             |
| <b>Solubility(ies)</b>               | No information available         |
| <b>Partition coefficient</b>         | No information available         |
| <b>Autoignition temperature</b>      | No information available         |
| <b>Decomposition temperature</b>     | No information available         |
| <b>Kinematic viscosity</b>           | No information available         |
| <b>Dynamic viscosity</b>             | No information available         |

### **Other information**

## **Section 10: STABILITY AND REACTIVITY**

|   |                                 |
|---|---------------------------------|
| <b>Reactivity</b>                         | No information available.       |
| <b>Chemical stability</b>                 | Stable under normal conditions. |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing.   |
| <b>Hazardous polymerization</b>           | None under normal processing.   |

**Conditions to avoid** Heat, flames and sparks.

**Incompatible materials** Strong bases. Strong oxidizing agents. Acids.

**Hazardous Decomposition Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Hydrogen fluoride.

## Section 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Eye contact**

Causes serious eye irritation

**Skin Contact**

Not applicable

**Ingestion**

Not applicable

**Inhalation**

Not applicable

### Numerical measures of toxicity - Component Information

| Chemical Name                                       | Oral LD50             | Dermal LD50                               | Inhalation LC50          |
|---|-----------------------|---|--------------------------|
| Isophorone<br>78-59-1                               | = 1870 mg/kg ( Rat )  | = 1390 mg/kg ( Rat ) = 1700 mg/kg ( Rat ) | = 7 mg/L ( Rat ) 4 h     |
| Titanium dioxide<br>13463-67-7                      | > 10000 mg/kg ( Rat ) | -   | -                        |
| Ethylene glycol monobutyl ether acetate<br>112-07-2 | = 2400 mg/kg ( Rat )  | = 1480 mg/kg ( Rabbit )                   | -                        |
| Toluene<br>108-88-3                                 | = 2600 mg/kg ( Rat )  | = 12000 mg/kg ( Rabbit )                  | = 12.5 mg/L ( Rat ) 4 h  |
| Formaldehyde<br>50-00-0                             | = 100 mg/kg ( Rat )   | = 270 mg/kg ( Rabbit )                    | = 0.578 mg/L ( Rat ) 4 h |

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 2694 Mg/kg  
**ATEmix (dermal)** 4367 Mg/kg  
**ATEmix (inhalation-dust/mist)** 22.6 mg/l  
**ATEmix (inhalation-vapor)** 166 mg/l

**UNKNOWN ACUTE TOXICITY** 0% of the mixture consists of ingredient(s) of unknown toxicity.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity**

According to IARC, Volume 93, no significant exposure to primary particles of titanium dioxide is thought to occur from use in paints since the pigment is bound to other materials.

| Chemical Name                                       | ACGIH | IARC     | NTP   | OSHA |
|---|-------|----------|-------|------|
| Isophorone<br>78-59-1                               | A3    |          |       |      |
| Titanium dioxide<br>13463-67-7                      |       | Group 2B |       | X    |
| Ethylene glycol monobutyl ether acetate<br>112-07-2 | A3    |          |       |      |
| Formaldehyde<br>50-00-0                             | A2    | Group 1  | Known | X    |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen. A2 - Suspected Human Carcinogen.

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans. Group 1 - Carcinogenic to Humans.

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NTP (National Toxicology Program)  
 Known - Known Carcinogen.  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 X - Present.

|   |   |
|---|---|
| <b>Skin corrosion/irritation</b>                          | Not applicable  |
| <b>Serious eye damage/eye irritation</b>                  | Causes serious eye irritation                                     |
| <b>Skin sensitization</b>                                 | Not applicable  |
| <b>Respiratory sensitization</b>                          | Not applicable  |
| <b>Germ cell mutagenicity</b>                             | Not applicable  |
| <b>Carcinogenicity</b>                                    | Suspected of causing cancer                                       |
| <b>Reproductive Toxicity</b>                              | Suspected of damaging fertility or the unborn child               |
| <b>Specific target organ toxicity (single exposure)</b>   | Not applicable  |
| <b>Specific target organ toxicity (repeated exposure)</b> | May cause damage to organs through prolonged or repeated exposure |
| <b>Aspiration hazard</b>                                  | Not applicable  |

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**  
 Environmental precautions                      Prevent product from entering drains.

**Persistence and degradability**  
 No information available

**Bioaccumulation**  
 No information available

**Mobility**  
 No information available

**Other adverse effects**                              No information available

**Section 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**                              Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**                      Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

**Section 14: TRANSPORT INFORMATION**

|  | <u>DOT</u>                             | <u>IMDG</u>       | <u>IATA</u>   |
|--|--|-------------------|---------------|
| <b>14.1 UN/ID no</b>   | UN1263                                 | UN1263            | UN1263        |
| <b>14.2 Proper shipping name</b>   | Paint                                  | Paint             | Paint         |
| <b>14.3 Hazard Class</b>   | 3                                      | 3                 | 3             |
| <b>14.4 Packing Group</b>  | III                                    | III               | III           |
| <b>14.5 Environmental hazard</b>   | Not applicable                         |                   |               |
| <b>14.6 Special Provisions</b>   | B1, B52, IB3, T2, TP1, TP29, 367       | 163, 223, 367 955 | A3, A72, A192 |
|  | <b>Emergency Response Guide Number</b> | <b>EmS-No</b>     |               |
|  | 128                                    | F-E, S-E          |               |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | No information available               |                   |               |

*The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.*

## Section 15: REGULATORY INFORMATION

### International Inventories

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

All components are listed or exempt from listing.

**DSL** - Canadian Domestic Substances List

All components are listed or exempt from listing

### US Federal Regulations

| Chemical Name   | SARA 313 - Threshold Values % | Hazardous air pollutants (HAPs) content |
|---|-------------------------------|---|
| Isophorone<br>78-59-1<br>10 - 25                              |                               | Present                                 |
| Ethylene glycol monobutyl ether acetate<br>112-07-2<br>5 - 10 | 1                             | Present                                 |
| Dimethyl phthalate<br>131-11-3<br>3 - 5                       | 1                             | Present                                 |
| C.I. Pigment Brown 24<br>68186-90-3<br>1 - 3                  | 1                             | Present                                 |
| Toluene<br>108-88-3<br>1 - 3                                  | 1                             | Present                                 |

### SARA 311/312 Hazard Categories

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire hazard</b>                       | Yes |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

| Chemical Name           | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Isophorone<br>78-59-1   |                             | X                      | X                         |                            |
| Toluene<br>108-88-3     | 1000 lb                     | X                      | X                         | X                          |
| Formaldehyde<br>50-00-0 | 100 lb                      |                        |                           | X                          |

| Chemical Name           | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|-------------------------|--------------------------|----------------|--|
| Isophorone<br>78-59-1   | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| Toluene<br>108-88-3     | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ  |
| Formaldehyde<br>50-00-0 | 100 lb                   | 100 lb         | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ  |

### US State Regulations

#### Rule 66 status of product

Photochemically reactive.

#### California Proposition 65

WARNING! This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

#### U.S. EPA Label information

**EPA Pesticide registration number** Not applicable

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## U.S. State Right-to-Know Regulations

|  |
|--|
| Chemical Name  |
| Proprietary Non-Hazardous Ingredient - Proprietary CAS |
| Isophorone<br>78-59-1                                  |
| Titanium dioxide<br>13463-67-7                         |
| Proprietary Non-Hazardous Ingredient - Proprietary CAS |
| Proprietary Non-Hazardous Ingredient - Proprietary CAS |
| Ethylene glycol monobutyl ether acetate<br>112-07-2    |
| Proprietary Non-Hazardous Ingredient - Proprietary CAS |
| Dimethyl phthalate<br>131-11-3                         |
| C.I. Pigment Brown 24<br>68186-90-3                    |
| Toluene<br>108-88-3                                    |

## Section 16: OTHER INFORMATION

### HMIS

Health hazards 2\*

\* = Chronic Health Hazard

Flammability 3

Physical hazards 0

Personal Protection X

### Supplier Address

|   |  |   |
|---|--|---|
| Valspar Coatings<br>701 Shiloh Rd.<br>Garland, TX 75042<br>972-276-5181 | The Valspar Corporation<br>901 N. Greenwood Ave.<br>Kankakee, IL 60901<br>815-933-5561 | Valspar Coil<br>5501 E. Slauson Ave.<br>Los Angeles, CA 90040<br>323-726-7272 |
|---|--|---|

Prepared By Product Stewardship

Revision date 02-May-2016

Revision Note No information available

### Disclaimer

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. **UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER 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. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

End of Safety Data Sheet