SAFETY DATA SHEET

Revision date 17-Apr-2016
Version 8
Supersedes Date: 30-Aug-2015

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

Product identifier
Product Code 434B040
Product Name FLUROPON AUTUMN RED

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

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

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

Label elements
### HAZARD STATEMENTS

- **Flammable liquid and vapor**
- **Causes serious eye irritation**
- **Suspected of causing cancer**
- **Suspected of damaging fertility or the unborn child**

### 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. 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 CO2, 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophorone</td>
<td>78-59-1</td>
<td>10 - 25</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether acetate</td>
<td>112-07-2</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>0.3 - 1</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>10 - 100 ppm</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.*
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, CO2, 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

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophorone 78-59-1</td>
<td>Ceiling: 5 ppm</td>
<td>TWA: 25 ppm</td>
<td>IDLH: 200 ppm</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether acetate 112-07-2</td>
<td>TWA: 20 ppm</td>
<td>TWA: 140 mg/m³</td>
<td>TWA: 4 ppm</td>
</tr>
<tr>
<td>Titanium dioxide 13463-67-7</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 15 mg/m³ total dust</td>
<td>TWA: 33 mg/m³</td>
</tr>
<tr>
<td>Toluene 108-88-3</td>
<td>TWA: 20 ppm</td>
<td>TWA: 200 ppm Ceiling: 300 ppm</td>
<td>IDLH: 500 ppm</td>
</tr>
<tr>
<td>Formaldehyde 50-00-0</td>
<td>Ceiling: 0.3 ppm</td>
<td>TWA: 0.75 ppm STEL: 2 ppm see 29 CFR 1910.1048</td>
<td>Ceiling: 0.1 ppm 15 min</td>
</tr>
</tbody>
</table>

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

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
</tr>
<tr>
<td>Color</td>
<td>red</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH value</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No information available °C / °F</td>
</tr>
<tr>
<td>flash point</td>
<td>28 °C / 82 °F</td>
</tr>
<tr>
<td>evaporation rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</td>
</tr>
</tbody>
</table>

- **Upper flammability limit:** No information available
- **Lower flammability limit:** No information available

<table>
<thead>
<tr>
<th>Vapor Pressure</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Density (lbs per US gallon)</td>
<td>10.87</td>
</tr>
<tr>
<td>specific gravity</td>
<td>1.3</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No information available</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No information available</td>
</tr>
</tbody>
</table>

**Other information**

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**Section 10: STABILITY AND REACTIVITY**

Reactivity
No information available.

Chemical stability
Stable under normal conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous polymerization
None under normal processing.

Conditions to avoid
Heat, flames and sparks.
Incompatible materials  

Hazardous Decomposition Products  
Carbon monoxide. Carbon dioxide (CO2). 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

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

Numerical measures of toxicity - Product Information

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

ATEmix (oral)  
2624 Mg/kg

ATEmix (dermal)  
5298 Mg/kg

ATEmix (inhalation-dust/mist)  
87.8 mg/l

ATEmix (inhalation-vapor)  
644 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.

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

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.

NTP (National Toxicology Program)

Known - Known Carcinogen.
Skin corrosion/irritation: Not applicable
Serious eye damage/eye irritation: Causes serious eye irritation
Skin sensitization: Not applicable
Respiratory sensitization: Not applicable
Germ cell mutagenicity: Not applicable
Carcinogenicity: Suspected of causing cancer
Reproductive Toxicity: Suspected of damaging fertility or the unborn child
Specific target organ toxicity (single exposure): Not applicable
Specific target organ toxicity (repeated exposure): Not applicable
Aspiration hazard: 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

14.1 UN/ID no
14.2 Proper shipping name
DOT: UN1263
IMDG: UN1263
IATA: UN1263
Paint

14.3 Hazard Class
14.4 Packing Group
14.5 Environmental hazard: Not applicable
14.6 Special Provisions
B1, B52, IB3, T2, TP1, TP29, 367
Emergency Response Guide Number
128

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: 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

Product Code 434B040
AGHS - USA OSHA SDS
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
<th>Hazardous air pollutants (HAPs) content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophorone</td>
<td>78-59-1</td>
<td>Present</td>
</tr>
<tr>
<td></td>
<td>10 - 25</td>
<td></td>
</tr>
<tr>
<td>Dimethyl phthalate</td>
<td>131-11-3</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>3 - 5</td>
<td></td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether acetate</td>
<td>112-07-2</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 - 3</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>0.3 - 1</td>
<td></td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories

- Acute health hazard: Yes
- Chronic Health Hazard: Yes
- Fire hazard: Yes
- Sudden release of pressure hazard: No
- Reactive Hazard: No

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophorone</td>
<td>78-59-1</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>1000 lb</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>100 lb</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophorone</td>
<td>5000 lb</td>
<td>RQ 5000 lb final RQ</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RQ 2270 kg final RQ</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>1000 lb</td>
<td>RQ 1000 lb final RQ</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RQ 454 kg final RQ</td>
<td></td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>100 lb</td>
<td>RQ 100 lb final RQ</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RQ 45.4 kg final RQ</td>
<td></td>
</tr>
</tbody>
</table>

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

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Proprietary Non-Hazardous Ingredient - Proprietary CAS</th>
</tr>
</thead>
</table>

Product Code 434B040
Isophorone  
78-59-1  
Proprietary Non-Hazardous Ingredient - Proprietary CAS  

Iron oxide (Fe2O3)  
1309-37-1  
Proprietary Non-Hazardous Ingredient - Proprietary CAS  

Dimethyl phthalate  
131-11-3  
Ethylene glycol monobutyl ether acetate  
112-07-2  

Titanium dioxide  
13463-67-7  
Toluene  
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  
701 Shiloh Rd.  
Garland, TX  75042  
972-276-5181

The Valspar Corporation  
901 N. Greenwood Ave.  
Kankakee, IL  60901  
815-933-5561

Valspar Coil  
5501 E. Slauson Ave.  
Los Angeles, CA  90040  
323-726-7272

Prepared By  
Product Stewardship

Revision date  17-Apr-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