## Section 1 – Company and Substance Identification

**Product Name:** Topcoat 311

**Formula:** Proprietary

**Spectra Chrome, LLC**
13130 56th Court Suite 611
Clearwater, FL 33760
United States of America

24-Hour Emergency Response Information
CHEMTREC DOMESTIC 800-424-9300
CHEMTREC INTERNATIONAL 703-527-3887
Product Information 800-230-6358

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## Section 2 – Hazard Identification

**Classification:**

| | |
|---|---|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Skin sensitization | Category 1 |
| Reproductive toxicity | Category 1B |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable liquids | Category 3 |

**Label elements including precautionary statements:**

**Signal Word** **DANGER**

HAZARD STATEMENTS
Flammable liquid and vapor
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May damage fertility or the unborn child
May cause respiratory irritation

PREVENTION
Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. 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. Wear protective gloves/protective clothing/eye protection/face protection.

STORAGE
Store locked up. Store in a well-ventilated place. Keep container tightly closed. 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.

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## Section 3 – Composition / Information on Ingredients

| Chemical Name | CAS No | weight-% |
|---|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- | 98-56-6 | 50 - 70 |
| 1-Methyl-2-pyrrolidone | 872-50-4 | 1- 3 |
| Proprietary additive | Proprietary | 0.3 - 1 |
| Proprietary additive | Proprietary | 0.1 - 0.3 |
| Proprietary additive | Proprietary | 0.1 - 0.3 |

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## Section 4 – First Aid Measures

First Aid Measures:

**EYE CONTACT:**
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 skin irritation or rash occurs: Get medical advice/attention. Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

**INHALATION:**
Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor/physician.

**INGESTION:**
Do NOT induce vomiting. Call a poison control center or doctor/physician.

**After first aid, seek proper medical attention.**

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## Section 5 – Firefighting Measures

**Suitable Extinguishing Media:** Water spray, dry chemical and carbon dioxide foam

**Hazards:**
Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by skin contact.

**Firefighting Instructions:**
Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off the fuel to the fire. If a leak or a spill has not ignited, use water spray to disperse the vapors.
Either allow the fire to burn under controlled conditions, or extinguish with foam or dry chemical. Cover liquid spills with foam.

**Further Information:**
Fire may produce toxic thermal decomposition products. Wear a self-contained breathing device with a full face piece using pressure demand or positive-pressure mode.

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## Section 6 – Accidental Release Measures

**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.

**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. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

**Methods for Containment:**
Prevent further leakage or spillage if safe to do so.

**Methods for Cleanup:**
Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

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## Section 7 – Handling and Storage

HANDLING PRECAUTIONS

**General 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. Use only with adequate ventilation. 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:**
Do not eat, drink, or smoke while using. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

STORAGE CONDITIONS

**Safe Storage:**
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 container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

**Incompatible Materials:**
None known

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## Section 8 – Exposure Controls / Personal Protection

EXPOSURE LIMITS

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)-<br>98-56-6 | TWA: 2.5 mg/m$^3$ F | TWA: 2.5 mg/m$^3$ F<br>TWA: 2.5 mg/m$^3$ dust | - |

ENGINEERING CONTROLS

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

PROTECTION MEASURES

**Eye/Face Protection:**
Tight sealing safety goggles

**Skin and Body Protection:**
Wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing.

**Hand Protection:**
Wear protective neoprene gloves.

**Respiratory Protection:**
In case of inadequate ventilation wear respiratory protection.

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## Section 9 – Physical and Chemical Properties

| | |
|---|---|
| **Physical State** | Liquid |
| **Appearance** | No information available |
| **Odor** | Solvent |
| **Color** | Clear |
| **Odor Threshold** | No information available |
| **pH Value** | No information available |
| **Melting / Freeze Point** | No information available |
| **Boiling Point / Range** | No information available |
| **Flash Point** | 27 °C / 81 °F |
| **Evaporation Rate** | No information available |
| **Flammability (solid, gas)** | No information available |
| **Flammability Limit in Air:** | |
| Upper Flammability Limit | No information available |
| Lower Flammability Limit | No information available |
| **Vapor Pressure** | No information available |
| **Vapor Density** | No information available |
| **Density (lbs per US gallon)** | 10.39 |
| **Specific Gravity** | 1.25 |
| **Solubility(ies)** | No information available |
| **Partition Coefficient** | No information available |
| **Auto-ignition Temperature** | No information available |
| **Decomposition Temperature** | No information available |
| **Kinematic Viscosity** | No information available |
| **Dynamic Viscosity** | No information available |

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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:**
Strong oxidizing agents.

**Hazardous Decomposition Products:**
Carbon monoxide, carbon dioxide (CO2), Chlorine.

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## Section 11 – Toxicological Information

EXPOSURE INFORMATION

| | |
|---|---|
| **Eye Contact** | Causes serious eye irritation |
| **Skin Contact** | Causes skin irritation; may cause an allergic skin reaction |
| **Ingestion** | Not applicable |
| **Inhalation** | May cause respiratory irritation |

NUMERICAL MEASURES OF TOXICITY – COMPONENT INFORMATION

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)-<br>98-56-6 | = 13 g/kg ( Rat ) | > 2 mL/kg ( Rabbit ) | = 33 mg/L ( Rat ) 4 h |
| 1-Methyl-2-pyrrolidone<br>872-50-4 | = 3914 mg/kg ( Rat ) | = 8 g/kg ( Rabbit ) | = 3.1 mg/L ( Rat ) 4 h |
| Proprietary additive | - | - | - |
| Proprietary additive | - | - | - |
| Proprietary additive | = 2615 mg/kg ( Rat ) | - | - |

NUMERICAL MEASURES OF TOXICITY – PRODUCT INFORMATION

**Unknown Acute Toxicity:**
0% of the mixture consists of ingredient(s) of unknown toxicity.

EFFECTS OF SHORT AND LONG-TERM EXPOSURE

| | |
|---|---|
| **Skin Corrosion/Irritation** | Causes skin irritation |
| **Serious Eye Damage/Irritation** | Causes serious eye irritation |
| **Skin Sensitization** | May cause an allergic skin reaction |
| **Respiratory Sensitization** | Not applicable |
| **Germ Cell Mutagenicity** | Not applicable |
| **Carcinogenicity** | Not applicable |
| **Reproductive Toxicity** | May damage fertility or the unborn child |
| **Specific Target Organ Toxicity:** | |
| Single Exposure | May cause respiratory irritation |
| Repeated Exposure | Not applicable |
| **Aspiration Hazard** | Not applicable |

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## Section 12 – Ecological Information

**Eco-toxicity:**
Environmental precautions — Prevent product from entering drains.

**Persistence and Degradability:**
No information available

**Other Adverse Effects:**
No information available

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## 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.

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## Section 14 – Transport Information

| | DOT | IMDG | IATA |
|---|---|---|---|
| **UN/ID Number** | UN1263 | UN1263 | UN1263 |
| **Proper Shipping Name** | Paint | Paint | Paint |
| **Hazard Class** | 3 | 3 | 3 |
| **Packing Group** | III | III | III |
| **Environmental Hazard** | N/A | - | - |
| **Special Provisions** | B1, B52, IB3, T2, TP1, TP29, 367 | 163, 223, 367, 955 | A3, A72, A192 |
| | **Emergency Response Guide Number** 128 | **EmS-No** F-E, S-E | |

**Transport in bulk according to Annex II of MARPOL 73/38 and the IBC Code** No information available

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## 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 – Canada Domestic Substances List**
Not all components are listed or exempt from listing

US FEDERAL REGULATIONS

| Chemical Name | TSCA - Toxic Substances Control Act, Section 12(b) Export Notification |
|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6 | Section 4 |

| Chemical Name | SARA 313 - Threshold Values % | Hazardous air pollutants (HAPs) content |
|---|---|---|
| 1-Methyl-2-pyrrolidone 872-50-4 1- 3 | 1 | |

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

US STATE REGULATIONS

**Rule 66 Status of Product**
Not photochemically reactive

**California Proposition 65**
WARNING! This product contains a chemical known in the State of California to cause cancer, birth defects, or other reproductive harm.

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

| Chemical Name |
|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6 |
| Proprietary Non-Hazardous Ingredient – Proprietary CAS |
| 1-Methyl-2-pyrrolidone 872-50-4 |

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## Section 16 – Other Information

HMIS
**Health Hazards** 2*
** = Chronic Health Hazard*
**Flammability** 3
**Physical Hazards** 0
**Personal Protection** X

SUPPLIER ADDRESS
**Spectra Chrome, LLC**
13130 56th Court Suite 611
Clearwater, FL 33760
United States of America
800.230.6358

**Revision Date** November 30th, 2015

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. Products are intended for professional use only by applicators with proper knowledge and training.

**End of Safety Data Sheet**