# SAFETY DATA SHEET

**Revision date** 25-Nov-2019 **Version** 16 **Supersedes Date:** 04-Nov-2019

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name** **2.1 VOC HI SOLID ACRYLIC LACQU**

**Product Code** **FS-5401.Q01**

**UN/ID no** UN1263

**Recommended Use** Paint, Coatings

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

*See section 16 for more information*

5 STAR XTREME
a division of IAMG/International Autobody Marketing Group
1505 N. Hayden Road
Suite 111
Scottsdale, AZ 85257
www.5StarXtreme.com
1-87REFINISH

5 STAR XTREME
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1368 United Blvd.
Unit 102
Coquitlam, BC V3K 6Y2
www.5StarXtreme.com
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**E-mail address** No information available

**Emergency telephone number** Chemtrec: 800-424-9300

## Section 2: HAZARDS IDENTIFICATION

**This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR**

**Classification**

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

**Label elements**

**Signal word** **DANGER**

**HAZARD STATEMENTS**
Highly flammable liquid and vapor
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
May damage fertility or the unborn child
May cause drowsiness or dizziness

**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. 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. P210 - 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 skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**Inhalation**
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**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 container tightly closed. Store in a well-ventilated place. Keep cool.

**DISPOSAL**
Dispose of contents/containers in accordance with local regulations.

**OTHER HAZARDS**
spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

**UNKNOWN ACUTE TOXICITY**
.0002% of the mixture consists of ingredient(s) of unknown toxicity.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | weight-% |
|---|---|---|
| Methyl acetate | 79-20-9 | 30 - 60 * |
| Acetone | 67-64-1 | 10 - 30 * |
| Modified rosin ester | 68038-41-5 | 3 - 7 * |

| | | |
|---|---|---|
| Dibutyl phthalate | 84-74-2 | 1 - 5 * |
| Isopropyl alcohol | 67-63-0 | 0.5 - 1.5 * |
| Xylenes | 1330-20-7 | 0.5 - 1.5 * |
| Carbon black | 1333-86-4 | 0.5 - 1.5 * |
| Ethylbenzene | 100-41-4 | 0.1 - 1 * |
| Toluene | 108-88-3 | 0.1 - 1 * |

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

**Skin Contact**
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention

**Inhalation**
IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

**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

**Flammable properties** Flammable liquid.

**flash point** -4 °F / -20 °C

**Upper flammability limit:** No information available

**Lower flammability limit:** No information available

**Autoignition temperature** No information available

**Explosion data**
Sensitivity to Mechanical Impact No information available.
Sensitivity to Static Discharge No information available.

**Suitable extinguishing media**
Dry chemical, $CO_2$, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

**Hazardous combustion products** Carbon monoxide. Carbon dioxide ($CO_2$).

**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. May cause sensitization by skin contact. spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal. Keep product and empty container away from heat and sources of ignition.

**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**
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 cleaning up**
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.

## Section 7: HANDLING AND STORAGE

**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. 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. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

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

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

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

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

| Chemical Name | ACGIH TLV | Alberta | British Columbia | Ontario TWA | Quebec | OSHA PEL |
|---|---|---|---|---|---|---|
| Methyl acetate<br>79-20-9 | STEL: 250 ppm<br>TWA: 200 ppm | TWA: 200 ppm<br>TWA: 606 mg/m$^3$<br>STEL: 250 ppm<br>STEL: 757 mg/m$^3$ | TWA: 200 ppm<br>STEL: 250 ppm | TWA: 200 ppm<br>STEL: 250 ppm | TWA: 200 ppm<br>TWA: 606 mg/m$^3$<br>STEL: 250 ppm<br>STEL: 757 mg/m$^3$ | TWA: 200 ppm<br>TWA: 610 mg/m$^3$ |

| | | | | | | |
|---|---|---|---|---|---|---|
| Acetone<br>67-64-1 | STEL: 500 ppm<br>TWA: 250 ppm | TWA: 500 ppm<br>TWA: 1200 mg/m³<br>STEL: 750 ppm<br>STEL: 1800 mg/m³ | TWA: 250 ppm<br>STEL: 500 ppm | TWA: 500 ppm<br>STEL: 750 ppm | TWA: 500 ppm<br>TWA: 1190 mg/m³<br>STEL: 1000 ppm<br>STEL: 2380 mg/m³ | TWA: 1000 ppm<br>TWA: 2400 mg/m³ |
| Dibutyl phthalate<br>84-74-2 | TWA: 5 mg/m³ | TWA: 5 mg/m³ | TWA: 5 mg/m³<br>Adverse reproductive effect | TWA: 5 mg/m³ | TWA: 5 mg/m³ | TWA: 5 mg/m³ |
| Isopropyl alcohol<br>67-63-0 | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 200 ppm<br>TWA: 492 mg/m³<br>STEL: 400 ppm<br>STEL: 984 mg/m³ | TWA: 200 ppm<br>STEL: 400 ppm | TWA: 200 ppm<br>STEL: 400 ppm | TWA: 400 ppm<br>TWA: 985 mg/m³<br>STEL: 500 ppm<br>STEL: 1230 mg/m³ | TWA: 400 ppm<br>TWA: 980 mg/m³ |
| Xylenes<br>1330-20-7 | STEL: 150 ppm<br>TWA: 100 ppm | TWA: 100 ppm<br>TWA: 434 mg/m³<br>STEL: 150 ppm<br>STEL: 651 mg/m³ | TWA: 100 ppm<br>STEL: 150 ppm | TWA: 100 ppm<br>STEL: 150 ppm | TWA: 100 ppm<br>TWA: 434 mg/m³<br>STEL: 150 ppm<br>STEL: 651 mg/m³ | TWA: 100 ppm<br>TWA: 435 mg/m³ |
| Carbon black<br>1333-86-4 | TWA: 3 mg/m³<br>inhalable particulate matter | TWA: 3.5 mg/m³ | TWA: 3 mg/m³ | TWA: 3 mg/m³ | TWA: 3.5 mg/m³ | TWA: 3.5 mg/m³ |
| Ethylbenzene<br>100-41-4 | TWA: 20 ppm | TWA: 100 ppm<br>TWA: 434 mg/m³<br>STEL: 125 ppm<br>STEL: 543 mg/m³ | TWA: 20 ppm | TWA: 20 ppm | TWA: 100 ppm<br>TWA: 434 mg/m³<br>STEL: 125 ppm<br>STEL: 543 mg/m³ | TWA: 100 ppm<br>TWA: 435 mg/m³ |
| Toluene<br>108-88-3 | TWA: 20 ppm | TWA: 50 ppm<br>TWA: 188 mg/m³<br>S* | TWA: 20 ppm<br>Adverse reproductive effect | TWA: 20 ppm | TWA: 50 ppm<br>TWA: 188 mg/m³<br>S* | TWA: 200 ppm<br>Ceiling: 300 ppm |

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

**Personal Protective Equipment**

**Eye/face protection**
Tight sealing safety goggles.

**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.

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

**Respiratory protection**
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Thermal Protection**
No information available

**Environmental exposure controls**
Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | liquid |
| **Appearance** | No information available |
| **Odor** | Solvent |
| **Color** | black |
| **Odor Threshold** | No information available |
| **pH value** | No information available |
| **Melting point/freezing point** | No information available |
| **Boiling point / boiling range** | 56.05 °C / 133 °F |
| **flash point** | -20 °C / -4 °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)** | 9.26 |
| **specific gravity** | 1.11 |
| **Solubility(ies)** | No information available |
| **Partition coefficient** | No information available |
| **Autoignition temperature** | No information available |
| **Decomposition temperature** | No information available |
| **Kinematic viscosity** | No information available |
| **Dynamic viscosity** | No information available |

**Other information**

## Section 10: STABILITY AND REACTIVITY

**Stability** Stable under normal conditions.

**Incompatible materials** Strong oxidizing agents. Alkali.

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

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

**Possibility of Hazardous Reactions** None under normal processing.

**Hazardous polymerization** None under normal processing.

## Section 11: TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Eye contact**
Causes serious eye irritation
**Skin Contact**
May cause an allergic skin reaction
**Ingestion**
Not applicable
**Inhalation**
May cause drowsiness or dizziness

**Numerical measures of toxicity - Component Information**

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Methyl acetate<br>79-20-9 | > 5 g/kg ( Rat ) | > 5 g/kg ( Rabbit ) | = 16000 ppm ( Rat ) 4 h |
| Acetone<br>67-64-1 | = 5800 mg/kg ( Rat ) | > 15700 mg/kg ( Rabbit ) | = 50100 mg/m³ ( Rat ) 8 h |
| Modified rosin ester<br>68038-41-5 | - | - | - |
| Dibutyl phthalate<br>84-74-2 | = 7499 mg/kg ( Rat ) | > 20 mL/kg ( Rabbit ) | > 15.68 mg/L ( Rat ) 4 h |
| Isopropyl alcohol<br>67-63-0 | = 1870 mg/kg ( Rat ) | = 4059 mg/kg ( Rabbit ) | = 72600 mg/m³ ( Rat ) 4 h |
| Xylenes<br>1330-20-7 | = 3500 mg/kg ( Rat ) | > 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit ) | = 5000 ppm ( Rat ) 4 h = 29.08 mg/L ( Rat ) 4 h |
| Carbon black<br>1333-86-4 | > 15400 mg/kg ( Rat ) | > 3 g/kg ( Rabbit ) | - |
| Ethylbenzene<br>100-41-4 | = 3500 mg/kg ( Rat ) | = 15400 mg/kg ( Rabbit ) | = 17.4 mg/L ( Rat ) 4 h |

| | | | |
|---|---|---|---|
| Toluene<br>108-88-3 | = 2600 mg/kg ( Rat ) | = 12000 mg/kg ( Rabbit ) | = 12.5 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)** 210281 Mg/kg
**ATEmix (dermal)** 69130 Mg/kg
**ATEmix (inhalation-dust/mist)** 140.4 mg/l
**ATEmix (inhalation-vapor)** 1030 mg/l

**UNKNOWN ACUTE TOXICITY** .0002% 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**

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Carbon black<br>1333-86-4 | A3 | Group 2B | | X |
| Ethylbenzene<br>100-41-4 | A3 | Group 2B | | X |

*ACGIH (American Conference of Governmental Industrial Hygienists)*
*A3 - Animal Carcinogen.*
*IARC (International Agency for Research on Cancer)*
*Group 2B - Possibly Carcinogenic to Humans.*
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*
*X - Present.*

**Skin corrosion/irritation** Not applicable
**Serious eye damage/eye irritation** Causes serious eye irritation
**Skin sensitization** May cause an allergic skin reaction
**Respiratory sensitization** Not applicable
**Germ cell mutagenicity** Not applicable
**Carcinogenicity** Suspected of causing cancer
**Reproductive Toxicity** May damage fertility or the unborn child
**Specific target organ toxicity (single exposure)** May cause drowsiness or dizziness
**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 from residues/unused products** 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.

## Section 14: TRANSPORT INFORMATION

| | TDG | IMDG | IATA |
|---|---|---|---|
| **UN/ID no** | UN1263 | UN1263 | UN1263 |
| **Proper shipping name** | Paint | Paint | Paint |
| **Hazard Class** | 3 | 3 | 3 |
| **Packing Group** | II | II | II |
| **Environmental hazard** | | | |
| **Special Provisions** | | 163, 367 | A3, A72, A192 |
| | | **EmS-No** F-E, S-E | |

**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

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory — All components are listed or exempt from listing

**DSL** - Canadian Domestic Substances List — Not all components are listed or exempt from listing

| Chemical Name | Canada - NPRI (National Pollutant Release Inventory) |
|---|---|
| Methyl acetate | Part 4 Substance (as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999) |
| Acetone | Part 4 Substance (as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999) |
| Dibutyl phthalate | Part 1, Group A Substance |
| Isopropyl alcohol | Part 1, Group A Substance; Part 5, Individual Substances |
| Xylenes | Part 1, Group A Substance; Part 5, Isomer Groups (total of all isomers of Xylene, including m-Xylene, CAS 108-38-3, o-Xylene, CAS 95-47-6, and p-Xylene, CAS 106-42-3) |
| Ethylbenzene | Part 1, Group A Substance |
| Toluene | Part 1, Group A Substance; Part 5, Individual Substances |

## Section 16: OTHER INFORMATION

**HMIS**

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

**Prepared By** Regulatory Department

**Revision date** 25-Nov-2019
**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,**

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**End of Safety Data Sheet**