

SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name ACRYLIC URETHANE SS - INTERNAT

Product Code FS-8013.G01

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

a division of IAMG/International Autobody Marketing Group

1368 United Blvd.

Unit 102

Coquitlam, BC V3K 6Y2 www.5StarXtreme.com

1-87REFINISH

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

| Skin corrosion/irritation | Category 2 |
|--|------------|
| Serious eye damage/eye irritation | Category 2 |
| Skin sensitization | Category 1 |
| Carcinogenicity | Category 2 |
| Reproductive toxicity | Category 2 |
| 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 skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
Suspected of damaging 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. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

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

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-% |
|----------------------|----------|-----------|
| Methyl acetate | 79-20-9 | 10 - 30 * |
| Methyl n-amyl ketone | 110-43-0 | 7 - 13 * |
| n-Butyl acetate | 123-86-4 | 5 - 10 * |

| Benzene, 1-chloro-4-(trifluoromethyl)- | 98-56-6 | 5 - 10 * |
|---|------------|-------------|
| Methyl propyl ketone | 107-87-9 | 3 - 7 * |
| Solvent naphtha, petroleum, light aromatic | 64742-95-6 | 0.5 - 1.5 * |
| Titanium dioxide | 13463-67-7 | 0.5 - 1.5 * |
| Zirconium ethyl hexoate | 22464-99-9 | 0.1 - 1 * |
| Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | 41556-26-7 | 0.1 - 1 * |
| 2-Butanone, oxime | 96-29-7 | 0.1 - 1 * |
| Decanedioic acid, 1-methyl | 82919-37-7 | 0.1 - 1 * |
| 10-(1,2,2,6,6-pentamethyl-4-piperidinyl) ester | | |
| Ethylbenzene | 100-41-4 | 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 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 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

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 physiciansTreat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flammable properties Flammable liquid.

flash point 9 °F / -13 °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, CO2, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2).

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.

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.

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 | STEL: 250 ppm | TWA: 200 ppm | TWA: 200 ppm | TWA: 200 ppm | TWA: 200 ppm | TWA: 200 ppm |
| 79-20-9 | TWA: 200 ppm | TWA: 606 mg/m ³ STEL: 250 ppm | STEL: 250 ppm | STEL: 250 ppm | TWA: 606 mg/m ³ STEL: 250 ppm | TWA: 610 mg/m ³ |

| | | STEL: 757 mg/m ³ | | | STEL: 757 mg/m ³ | |
|--|--|--|--|--|--|--|
| Methyl n-amyl ketone 110-43-0 | TWA: 50 ppm | TWA: 50 ppm TWA: 233 mg/m ³ | TWA: 50 ppm | TWA: 25 ppm TWA: 115 mg/m ³ | TWA: 50 ppm TWA: 233 mg/m ³ | TWA: 100 ppm TWA: 465 mg/m ³ |
| n-Butyl acetate 123-86-4 | STEL: 150 ppm TWA: 50 ppm | TWA: 150 ppm TWA: 713 mg/m³ STEL: 200 ppm STEL: 950 mg/m³ | TWA: 20 ppm | TWA: 150 ppm STEL: 200 ppm | TWA: 150 ppm TWA: 713 mg/m³ STEL: 200 ppm STEL: 950 mg/m³ | TWA: 150 ppm TWA: 710 mg/m ³ |
| Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6 | TWA: 2.5 mg/m ³ F | TWA: 2.5 mg/m ³ | TWA: 2.5 mg/m ³ | TWA: 2.5 mg/m ³ | TWA: 2.5 mg/m ³ | TWA: 2.5 mg/m ³ F |
| Methyl propyl ketone 107-87-9 | STEL: 150 ppm | TWA: 200 ppm TWA: 705 mg/m ³ STEL: 250 ppm STEL: 881 mg/m ³ | TWA: 150 ppm STEL: 250 ppm | STEL: 150 ppm | TWA: 150 ppm TWA: 530 mg/m ³ | TWA: 200 ppm TWA: 700 mg/m ³ |
| Titanium dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust |
| Zirconium ethyl hexoate 22464-99-9 | STEL: 10 mg/m ³ Zr TWA: 5 mg/m ³ Zr | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 5 mg/m ³ Zr |
| Ethylbenzene 100-41-4 | TWA: 20 ppm | TWA: 100 ppm TWA: 434 mg/m³ STEL: 125 ppm STEL: 543 mg/m³ | TWA: 20 ppm | TWA: 20 ppm | TWA: 100 ppm TWA: 434 mg/m³ STEL: 125 ppm STEL: 543 mg/m³ | TWA: 100 ppm TWA: 435 mg/m ³ |

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 red

Odor Threshold
pH value
No information available
7 °C / 135 °F
-13 °C / 9 °F

evaporation rate

No information available

Flammability (solid, gas)

No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor Pressure
vapor density

No information available
No information available
No information available

Density (lbs per US gallon) 8.54 specific gravity 1.02

Solubility(ies)

Partition coefficient

Autoignition temperature

Decomposition temperature

Kinematic viscosity

Dynamic viscosity

No information available

Other information

Section 10: STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Incompatible materials Strong bases. Strong oxidizing agents.

Conditions to avoid Heat, flames and sparks.

Hazardous Decomposition Products Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). Hydrogen chloride.

Hydrocarbons. Chlorine. Chlorine gas.

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerizationNone 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

Causes skin irritation

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 | > 5 g/kg (Rat) | > 5 g/kg (Rabbit) | = 16000 ppm (Rat) 4 h |
| 79-20-9 | | | |
| Methyl n-amyl ketone | = 1600 mg/kg (Rat) = 1670 mg/kg | = 12600 μL/kg (Rabbit) = 12.6 | 2000 - 4000 ppm (Rat) 6 h |
| 110-43-0 | (Rat) | mL/kg (Rabbit) | |
| n-Butyl acetate 123-86-4 | = 10768 mg/kg (Rat) | > 17600 mg/kg (Rabbit) | = 390 ppm (Rat) 4 h |
| Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6 | = 13 g/kg(Rat) | > 2 mL/kg(Rabbit) | = 33 mg/L (Rat)4 h |
| Methyl propyl ketone 107-87-9 | = 1600 mg/kg (Rat) | = 6500 mg/kg (Rabbit)= 6480 mg/kg (Rat) | 2000 - 4000 ppm (Rat) 4 h |
| Solvent naphtha, petroleum, light aromatic 64742-95-6 | = 8400 mg/kg (Rat) | > 2000 mg/kg(Rabbit) | = 3400 ppm (Rat) 4 h |
| Titanium dioxide 13463-67-7 | > 10000 mg/kg(Rat) | - | - |

| Zirconium ethyl hexoate 22464-99-9 | - | - | - |
|--|---------------------|----------------------------|------------------------|
| Bis(1,2,2,6,6-pentamethyl-4-piperidy I) sebacate 41556-26-7 | = 2615 mg/kg(Rat) | - | - |
| 2-Butanone, oxime 96-29-7 | = 930 mg/kg (Rat) | 1000 - 1800 mg/kg (Rabbit) | > 4800 mg/m³ (Rat) 4 h |
| Decanedioic acid, 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidi nyl) ester 82919-37-7 | - | - | - |
| Ethylbenzene 100-41-4 | = 3500 mg/kg (Rat) | = 15400 mg/kg (Rabbit) | = 17.4 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) 3449 Mg/kg ATEmix (inhalation-dust/mist) 15.5 mg/l ATEmix (inhalation-vapor) 114 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. According to IARC, Volume 93, no significant exposure to primary particles of carbon black is thought to occur from use in paints since the pigment is bound to other materials.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------------|-------|----------|-----|------|
| Titanium dioxide 13463-67-7 | | Group 2B | | X |
| Ethylbenzene 100-41-4 | А3 | 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 Causes skin irritation

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 Suspected of damaging 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

| UN/ID no Proper shipping name | TDG UN1263 Paint | IMDG UN1263 Paint | IATA UN1263 Paint |
|---|------------------------|-------------------------|--------------------------|
| Hazard Class Packing Group Environmental hazard Special Provisions | 3 II | 3 II 163, 367 | 3 II 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

Canada - NPRI (National Pollutant Release Inventory) **Chemical Name** 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) Part 4 Substance (as set out in Section 65 of the List of Toxic Methyl n-amyl ketone Substances in Schedule 1 of the Canadian Environmental Protection Act 1999) Part 5, Individual Substances n-Butyl acetate Benzene, 1-chloro-4-(trifluoromethyl)-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) Methyl propyl ketone 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) Solvent naphtha, petroleum, light aromatic Part 5, Other Groups and Mixtures Ethylbenzene Part 1, Group A Substance

Section 16: OTHER INFORMATION

HMIS

Prepared By Regulatory Department

Revision date 26-Sep-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, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet