

SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name BLACK ACRYLIC LACQUER PRIMER

Product Code FS-5403.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

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1-87REFINISH

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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 1B
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
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 be fatal if swallowed and enters airways
Causes damage to the following organs: optic nerve

May cause damage to the following organs through prolonged or repeated exposure: Nervous System

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. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. 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: Call a POISON CENTER or doctor/physician.

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

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

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.

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

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

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Chemical Name	CAS No	weight-%

Toluene	108-88-3	10 - 30 *
2-Pentanone, 4-methyl-	108-10-1	10 - 30 *
Acetone	67-64-1	5 - 10 *
Isopropyl alcohol	67-63-0	3 - 7 *
Modified rosin ester	68038-41-5	3 - 7 *
Xylenes	1330-20-7	1 - 5 *
Methyl alcohol	67-56-1	1 - 5 *
Carbon black	1333-86-4	0.5 - 1.5 *
Ethylbenzene	100-41-4	0.1 - 1 *
Sulfonic acids, petroleum, calcium salts	61789-86-4	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: Call a POISON CENTER or doctor/physician

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

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

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

Ingestion

Do NOT induce vomiting IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

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, 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. 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
Toluene	TWA: 20 ppm	TWA: 50 ppm	TWA: 20 ppm	TWA: 20 ppm	TWA: 50 ppm	TWA: 200 ppm
108-88-3		TWA: 188 mg/m ³	Adverse		TWA: 188 mg/m ³	Ceiling: 300 ppm
		S*	reproductive effect		S*	
2-Pentanone, 4-methyl-	STEL: 75 ppm	TWA: 50 ppm	TWA: 20 ppm	TWA: 20 ppm	TWA: 50 ppm	TWA: 100 ppm
108-10-1	TWA: 20 ppm	TWA: 205 mg/m ³	STEL: 75 ppm	STEL: 75 ppm	TWA: 205 mg/m ³	TWA: 410 mg/m ³
		STEL: 75 ppm			STEL: 75 ppm	
		STEL: 307 mg/m ³			STEL: 307 mg/m ³	
Acetone	STEL: 500 ppm	TWA: 500 ppm	TWA: 250 ppm	TWA: 500 ppm	TWA: 500 ppm	TWA: 1000 ppm
67-64-1	TWA: 250 ppm	TWA: 1200 mg/m ³	STEL: 500 ppm	STEL: 750 ppm	TWA: 1190 mg/m ³	TWA: 2400 mg/m ³
		STEL: 750 ppm			STEL: 1000 ppm	, and the second
		STEL: 1800 mg/m ³			STEL: 2380 mg/m ³	
Isopropyl alcohol	STEL: 400 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 400 ppm	TWA: 400 ppm
67-63-0	TWA: 200 ppm	TWA: 492 mg/m ³	STEL: 400 ppm	STEL: 400 ppm	TWA: 985 mg/m ³	TWA: 980 mg/m ³
		STEL: 400 ppm			STEL: 500 ppm	_
		STEL: 984 mg/m ³			STEL: 1230 mg/m ³	
Xylenes	STEL: 150 ppm	TWA: 100 ppm	TWA: 100 ppm	TWA: 100 ppm	TWA: 100 ppm	TWA: 100 ppm
1330-20-7	TWA: 100 ppm	TWA: 434 mg/m ³	STEL: 150 ppm	STEL: 150 ppm	TWA: 434 mg/m ³	TWA: 435 mg/m ³
		STEL: 150 ppm			STEL: 150 ppm	
		STEL: 651 mg/m ³			STEL: 651 mg/m ³	
Methyl alcohol	STEL: 250 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm
67-56-1	TWA: 200 ppm	TWA: 262 mg/m ³	STEL: 250 ppm	STEL: 250 ppm	TWA: 262 mg/m ³	TWA: 260 mg/m ³
	S*	STEL: 250 ppm	S*	S*	STEL: 250 ppm	
		STEL: 328 mg/m ³			STEL: 328 mg/m ³	
		S*			S*	
Carbon black	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³	TWA: 3 mg/m ³	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³
1333-86-4	inhalable		_			
	particulate matter					
Ethylbenzene	TWA: 20 ppm	TWA: 100 ppm	TWA: 20 ppm	TWA: 20 ppm	TWA: 100 ppm	TWA: 100 ppm
100-41-4		TWA: 434 mg/m ³			TWA: 434 mg/m ³	TWA: 435 mg/m ³
		STEL: 125 ppm			STEL: 125 ppm	
		STEL: 543 mg/m ³			STEL: 543 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 black

Odor Threshold
pH value
No information available

evaporation rateFlammability (solid, gas)
No information available
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) 9.55 specific gravity 1.14

Solubility(ies)

Partition coefficient
Autoignition temperature
Decomposition temperature
Kinematic viscosity

No information available

Other information

Section 10: STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Incompatible materials Strong bases. Strong oxidizing agents. Strong reducing agents. Alkali.

Conditions to avoid Heat, flames and sparks.

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

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

Causes skin irritation

May cause an allergic skin reaction

Ingestion

May be fatal if swallowed and enters airways

Inhalation Not applicable

Numerical measures of toxicity - Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
2-Pentanone, 4-methyl- 108-10-1	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 8.2 mg/L (Rat) 4 h
Acetone 67-64-1	= 5800 mg/kg (Rat)	> 15700 mg/kg (Rabbit)	= 50100 mg/m³ (Rat) 8 h
Isopropyl alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m³ (Rat) 4 h

Modified rosin ester 68038-41-5	-	-	-
Xylenes 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
Methyl alcohol 67-56-1	= 6200 mg/kg (Rat)	= 15800 mg/kg (Rabbit)	= 64000 ppm (Rat) 4 h = 22500 ppm (Rat) 8 h
Carbon black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg(Rabbit)	-
Ethylbenzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg(Rabbit)	= 17.4 mg/L (Rat) 4 h
Sulfonic acids, petroleum, calcium salts 61789-86-4	> 20 g/kg (Rat)	> 5000 mg/kg(Rabbit)	-

Numerical measures of toxicity - Product Information

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

ATEmix (oral) 5702 Mg/kg
ATEmix (dermal) 11107 Mg/kg
ATEmix (inhalation-dust/mist) 7 mg/l
ATEmix (inhalation-vapor) 49 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 carbon black is thought to occur from use in paints

since the pigment is bound to other materials.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Pentanone, 4-methyl- 108-10-1	А3	Group 2B		X
Carbon black 1333-86-4	А3	Group 2B		X
Ethylbenzene 100-41-4	А3	Group 2B		Х

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)
Causes damage to the following organs: optic nerve

Specific target organ toxicity (repeated exposure)

May cause damage to the following organs through prolonged or repeated exposure: Nervous System

Aspiration hazard May be fatal if swallowed and enters airways

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	<u>IATA</u> UN1263 Paint
Hazard Class Packing Group	3 II	3 II	3 II
Environmental hazard		400,007	A2 A70 A400

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

Not all components are listed or

exempt from listing

Chemical Name	Canada - NPRI (National Pollutant Release Inventory)
Toluene	Part 1, Group A Substance; Part 5, Individual Substances
2-Pentanone, 4-methyl-	Part 1, Group A Substance; Part 5, Individual Substances
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)
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)
Methyl alcohol	Part 1, Group A Substance; Part 5, Individual Substances
Ethylbenzene	Part 1, Group A Substance

Section 16: OTHER INFORMATION

HMIS

Health hazards 4* * = Chronic Health Hazard 3 **Flammability** Physical hazards 0 **Personal Protection** Χ

DSL - Canadian Domestic Substances List

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, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet