



SAFETY DATA SHEET

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GROUNDCOAT BRILLIANT ULTRA MARINE BLUE

Revision 0
Revision date 24-Jun-2008

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name GROUNDCOAT BRILLIANT ULTRA MARINE BLUE

Company Pro-Spray Automotive Finishes Limited
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Emergency telephone number Chemtrec 1-800-424-9300

Product code GC-6013

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
2-methoxy-1-methylethyl acetate (1-Methoxypropylacetate)	10 - 20%	108-65-6	203-603-9	R10 Xi; R36
Xylene (Xylene, o-,m-,p-or mixed isomers)	1 - 10%	1330-20-7	215-535-7	R10 Xn; R20/21 Xi; R38
Butan-1-ol	0.5 - 1%	71-36-3	200-751-6	R10 Xn; R22 Xi; R37/38-41 R67
n-Butyl acetate (Butyl acetate)	30 - 40%	123-86-4	204-658-1	R10 R66 R67
Benzyl butyl phthalate	0 - 0.5%	85-68-7	201-622-7	Repr Cat 2; R61 Repr Cat 3; R62 N; R50/53
Ethylbenzene	0.5 - 1%	100-41-4	202-849-4	F; R11 Xn; R20
Methanol	0 - 0.5%	67-56-1	200-659-6	F; R11 T; R23/24/25-39/23/24/25
Ethanol	0 - 0.5%	64-17-5	200-578-6	F; R11
1-Methoxy-2-propanol (1-Methoxypropan-2-ol)	0 - 0.5%	107-98-2	203-539-1	R10
Low boiling point naphtha - unspecified - solvent naphtha (petroleum), light arom	1 - 10%	64742-95-6	265-199-0	Xi; R37-66 N; R51/53 R10-67
1,3,5-Trimethylbenzene	0 - 0.5%	108-67-8	203-604-4	R10 Xi; R37 N; R51/53
Cumene	0 - 0.5%	98-82-8	202-704-5	R10 Xn; R65 Xi; R37 N; R51/53
1,2,4-Trimethylbenzene	0.5 - 1%	95-63-6	202-436-9	R10 Xn; R20 Xi; R36/37/38 N; R51/53
titanium dioxide. (Titanium dioxide respirable)	1 - 10%	13463-67-7		
Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	0 - 0.5%	108-83-8	203-620-1	R10 Xi; R37
Ethylene glycol monobutyl ether (2-Butoxyethanol)	0 - 0.5%	111-76-2	203-905-0	Xn; R20/21/22 Xi; R36/38
N-Methyl-2-pyrrolidone (1-Methyl-2-pyrrolidone)	0 - 0.5%	872-50-4	212-828-1	Xi; R36/38

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3. HAZARDS IDENTIFICATION

Main hazards Flammable Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

Skin contact May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.

Ingestion Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE FIGHTING MEASURES

Extinguishing media Use as appropriate: carbon dioxide (CO₂). Do NOT use water jet. Cool fire exposed containers with waterspray, dry chemical, foam.

Fire hazards Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke.

Protective equipment Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.

Environmental precautions Do not allow product to enter drains. Prevent further spillage if safe.

Clean up methods Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Do not allow runoff water to enter sewers or drains. Advise local authorities if large spills cannot be contained.

7. HANDLING AND STORAGE

Handling Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. In use, may form flammable/explosive vapour-air mixture. Vapours are heavier than air. Keep away from sources of ignition - No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing.

Storage Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

2-methoxy-1-methylethyl acetate (1-Methoxypropylacetate)	WEL 8-hr limit ppm: 50 WEL 15 min limit ppm: 100	WEL 8-hr limit mg/m ³ : 274 WEL 15 min limit mg/m ³ : 548
Xylene (Xylene, o-,m-,p-or mixed isomers)	WEL 8-hr limit ppm: 50 WEL 15 min limit ppm: 100	WEL 8-hr limit mg/m ³ : 220 WEL 15 min limit mg/m ³ : 441
Butan-1-ol	WEL 8-hr limit ppm: - WEL 15 min limit ppm: 50	WEL 8-hr limit mg/m ³ : - WEL 15 min limit mg/m ³ : 154
n-Butyl acetate (Butyl acetate)	WEL 8-hr limit ppm: 150 WEL 15 min limit ppm: 200	WEL 8-hr limit mg/m ³ : 724 WEL 15 min limit mg/m ³ : 966
Benzyl butyl phthalate	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 5 WEL 15 min limit mg/m ³ : 7.9
Ethylbenzene	WEL 8-hr limit ppm: 100 WEL 15 min limit ppm: 125	WEL 8-hr limit mg/m ³ : 441 WEL 15 min limit mg/m ³ : 552
Methanol	WEL 8-hr limit ppm: 200 WEL 15 min limit ppm: 250	WEL 8-hr limit mg/m ³ : 266 WEL 15 min limit mg/m ³ : 333
Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 1920 WEL 15 min limit mg/m ³ : -
1-Methoxy-2-propanol (1-Methoxypropan-2-ol)	WEL 8-hr limit ppm: 100 WEL 15 min limit ppm: 150	WEL 8-hr limit mg/m ³ : 375 WEL 15 min limit mg/m ³ : 560
Cumene	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50	WEL 8-hr limit mg/m ³ : 125 WEL 15 min limit mg/m ³ : 250
titanium dioxide. (Titanium dioxide respirable)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 4 WEL 15 min limit mg/m ³ : -
titanium dioxide. (Titanium dioxide respirable)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 4 WEL 15 min limit mg/m ³ : -
titanium dioxide. (Titanium dioxide total inhalable)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : -
Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 148 WEL 15 min limit mg/m ³ : -
Ethylene glycol monobutyl ether (2-Butoxyethanol)	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50	WEL 8-hr limit mg/m ³ : - WEL 15 min limit mg/m ³ : -
N-Methyl-2-pyrrolidone (1-Methyl-2-pyrrolidone)	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 75	WEL 8-hr limit mg/m ³ : 103 WEL 15 min limit mg/m ³ : 309

Engineering measures

Ensure adequate ventilation of the working area.

Respiratory protection

Self-contained breathing apparatus. Wear protective clothing.

Hand protection

Chemical resistant gloves (PVC)

Eye protection

Approved safety goggles.

Protective equipment

Wear chemical protective clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Flash point	23~<32°C
Water solubility	immiscible in water.
VOC (Volatile organic compounds)	726 g/l

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat, sparks and open flames.
Materials to avoid	Oxidising agents. Acids. Alkaline solution.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data is available on this product. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system.
Corrosivity	May cause irritation to eyes and respiratory system.
Repeated or prolonged exposure	May cause dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data is available on this product.
Further information	Do not allow product to enter drains.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal of packaging	Containers must be recycled in compliance with national legislation and environmental regulations.

14. TRANSPORT INFORMATION

ADR/RID

UN 1263	Packing group III
Class 3	Hazard ID 33
Proper Shipping Name	PAINT RELATED MATERIAL .

IMDG

UN 1263	Packing group III
Class 3	Marine pollutant .
EmS Code	F-E S-E

IATA


UN 1263	Packing group III
Class 3	Subsidiary risk -
Packing Instruction 310 (Cargo)	Maximum quantity 220 L
Packing Instruction 309 (Passenger)	Maximum quantity 60 L

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15. REGULATORY INFORMATION

Labelling	The product is classified in accordance with 67/548/EEC.
Symbols	T - Toxic 
Risk phrases	R10 - Flammable. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.

16. OTHER INFORMATION

Text of risk phrases in Section 2	R10 - Flammable. R11 - Highly flammable. R20 - Harmful by inhalation. R20/21 - Harmful by inhalation and in contact with skin. R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R22 - Harmful if swallowed. R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed. R36 - Irritating to eyes. R36/37/38 - Irritating to eyes, respiratory system and skin. R36/38 - Irritating to eyes and skin. R37 - Irritating to respiratory system. R37/38 - Irritating to respiratory system and skin. R38 - Irritating to skin. R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R41 - Risk of serious damage to eyes. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R61 - May cause harm to the unborn child. R62 - Possible risk of impaired fertility. R65 - Harmful: may cause lung damage if swallowed. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
Maximum content of VOC	726 g/l