

Safety Data Sheet according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

1 Identification

- **Product identifier**
- **Trade name:** PR501 ShowCar Black Basecoat
- **Article number:** PR501-01, PR501-04
- **Application of the substance / the mixture** Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Pure Reflections
A Division of IAMG International Autobody Marketing Group
1505 N. Hayden Rod, Ste. 111
Scottsdale, AZ 85257
1-87-REFINISH
- **Information department:**
1-87-Refinish
l.fields@iamgaz.com
- **Emergency telephone number:** CHEMTREC 1-800-424-9300

2 Hazard identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 2 H225 Highly flammable liquid and vapour.



GHS08 Health hazard

Carcinogenicity – Category 2 H351 Suspected of causing cancer.
Reproductive Toxicity - Category 1 H360 May damage fertility or the unborn child.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02 GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
Carbon black
benzyl butyl phthalate
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.

(Contd. on page 2)

Safety Data Sheet according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: PR501 ShowCar Black Basecoat

(Contd. of page 1)

· **Precautionary statements**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P240 Ground and bond container and receiving equipment.
- P233 Keep container tightly closed.
- P242 Use non-sparking tools.
- P243 Take actions to prevent static discharges.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
- P405 Store locked up.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/Information on ingredients

· **Chemical characterization: Mixtures**

· **Description:**

Mixture: consisting of the following components.
Weight percentages

· **Dangerous components:**

67-64-1	acetone	10-30% w/w
110-43-0	heptan-2-one	7-13% w/w
1333-86-4	Carbon black	5-10% w/w
763-69-9	ethyl 3-ethoxypropionate	1-5% w/w

(Contd. on page 3)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: PR501 ShowCar Black Basecoat

85-68-7 benzyl butyl phthalate		(Contd. of page 2)
· SVHC		1-5% w/w
85-68-7 benzyl butyl phthalate		

4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

CA
(Contd. on page 4)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: **PR501 ShowCar Black Basecoat**

(Contd. of page 3)

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store in a cool location.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** *No further relevant information available.*

8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** *No further data; see item 7.*
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

67-64-1 acetone

EL	Short-term value: 500 ppm Long-term value: 250 ppm
EV	Short-term value: 750 ppm Long-term value: 500 ppm

110-43-0 heptan-2-one

EL	Long-term value: 50 ppm
EV	Long-term value: 115 mg/m ³ , 25 ppm

1333-86-4 Carbon black

EL	Long-term value: 3 mg/m ³ IARC 2B
EV	Long-term value: 3.5 mg/m ³

763-69-9 ethyl 3-ethoxypropionate

EV	Long-term value: 300 mg/m ³ , 50 ppm
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- **Additional information:** *The lists that were valid during the creation were used as basis.*

(Contd. on page 5)

CA

Safety Data Sheet according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: PR501 ShowCar Black Basecoat

(Contd. of page 4)

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Store protective clothing separately.
- **Breathing equipment:**
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Color:	According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C

(Contd. on page 6)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: PR501 ShowCar Black Basecoat

(Contd. of page 5)

· Flash point:	-18 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	465 °C
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.
· Explosion limits:	
Lower:	1.0 Vol %
Upper:	13.0 Vol %
· Vapor pressure at 20 °C:	233 hPa
· Density at 20 °C:	1.01264 g/cm ³
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	66.9 %
VOC content:	16.8 %
	347.4 g/l / 2.90 lb/gal
· Solids content:	33.1 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

-CA-

(Contd. on page 7)

Safety Data Sheet according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: **PR501 ShowCar Black Basecoat**

(Contd. of page 6)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

1333-86-4	Carbon black	2B
85-68-7	benzyl butyl phthalate	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 05/17/2016



Reviewed on 05/17/2016

Trade name: PR501 ShowCar Black Basecoat

(Contd. of page 7)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, TDG, IMDG, IATA** UN1263
- **UN proper shipping name**
- **DOT** Paint
- **TDG** 1263 Paint, special provision 640D
- **IMDG, IATA** PAINT
- **Transport hazard class(es)**
- **DOT**
- 
- **Class** 3 Flammable liquids
- **Label** 3
- **TDG, IMDG, IATA**
- 
- **Class** 3 Flammable liquids
- **Label** 3
- **Packing group**
- **DOT, TDG, IMDG, IATA** II
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Flammable liquids
- **EMS Number:** F-E, S-E
- **Stowage Category** B
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Quantity limitations** On passenger aircraft/rail: 5 L
On cargo aircraft only: 60 L

(Contd. on page 9)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: PR501 ShowCar Black Basecoat

(Contd. of page 8)

· TDG	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT, SPECIAL PROVISION 640D, 3, II

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

67-64-1	acetone
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
110-43-0	heptan-2-one
9004-36-8	Cellulose Acetate Butyrate
1333-86-4	Carbon black
763-69-9	ethyl 3-ethoxypropionate
85-68-7	benzyl butyl phthalate
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate
82919-37-7	Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate
106-79-6	Dimethyl sebacate(Impurity)
2403-89-6	4-Piperidinol, 1,2,2,6,6 pentamethyl- (Impurity)

· Proposition 65

· Chemicals known to cause cancer:

1333-86-4 Carbon black

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

85-68-7 benzyl butyl phthalate

(Contd. on page 10)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: PR501 ShowCar Black Basecoat

(Contd. of page 9)

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
85-68-7	benzyl butyl phthalate	C

· **TLV (Threshold Limit Value established by ACGIH)**

67-64-1	acetone	A4
1333-86-4	Carbon black	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

1333-86-4	Carbon black	
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· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

67-64-1	acetone
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
110-43-0	heptan-2-one
9004-36-8	Cellulose Acetate Butyrate
1333-86-4	Carbon black
763-69-9	ethyl 3-ethoxypropionate
85-68-7	benzyl butyl phthalate
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidiny) sebacate
82919-37-7	Methyl (1,2,2,6,6,- pentamethyl-4-piperidiny) sebacate
106-79-6	Dimethyl sebacate(Impurity)

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

67-64-1	acetone
110-43-0	heptan-2-one
1333-86-4	Carbon black
85-68-7	benzyl butyl phthalate

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

Carbon black
benzyl butyl phthalate

· **Hazard statements**

H225 Highly flammable liquid and vapour.

(Contd. on page 11)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 05/17/2016

Reviewed on 05/17/2016

Trade name: PR501 ShowCar Black Basecoat

(Contd. of page 10)

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P240 Ground and bond container and receiving equipment.

P233 Keep container tightly closed.

P242 Use non-sparking tools.

P243 Take actions to prevent static discharges.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P308+P313 IF exposed or concerned: Get medical advice/attention.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P405 Store locked up.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Environment protection department.

· **Contact:** 1-480-451-4451 Lloyd Fields

· **Date of preparation / last revision** 05/17/2016 / 15

· Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

LC50: Lethal concentration, 50 percent

· *** Data compared to the previous version altered.**