

\* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **Date of compilation:** 17.07.2014
- **1.1 Product identifier**
- **Trade name:** **Basecoat white, black; silver, silver fine, Silverdollar coarse, Silverdollar fine, deep black Binder 99155, 99165**
- **Article number(s):** 99570, 99571, 99590, 99594, 99811, 99812, 99888, 99155, 99165
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation:** Paint
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**  
Quartz Refinish Limited, Morleys Group  
250 Osmaston Road, Derby  
DE23 8LB, England  
Phone: +44 1332 611893  
Fax: +44 1332 331611
- **E-mail address of the competent person responsible for the Safety Data Sheet:** info@spraygunsdirect.co.uk
- **Informing department:** Sprayguns Direct Limited Morleys Group
- **1.4 Emergency telephone number:** +44 1332 611893

\* **SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

R10-66-67: Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

- **Classification system:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS02

GHS05

GHS07

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## Safety data sheet

according to 1907/2006/EC, Article 31

Version number 2

Revision: 17.07.2014

**Trade name:** Basecoat white, black; silver, silver fine, Silverdollar coarse, Silverdollar fine, deep black  
Binder 99155, 99165

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- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
  - n-Butyl acetate*
  - iso-Butanol*
- **Hazard statements**
  - H226 Flammable liquid and vapour.*
  - H315 Causes skin irritation.*
  - H318 Causes serious eye damage.*
  - H336 May cause drowsiness or dizziness.*
- **Precautionary statements**
  - P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
  - P243 Take precautionary measures against static discharge.*
  - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.*
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.*
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
  - P310 Immediately call a POISON CENTER or doctor/physician.*
  - P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.*
- **Additional information:**
  - EUH066 Repeated exposure may cause skin dryness or cracking.*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· <b>Dangerous components:</b>		
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	<i>n-Butyl acetate</i> R10-66-67 ----- ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	50 - 100%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-21194882216-32-xxxx	<i>Xylene, mixture of isomers</i> ☒ Xn R20/21; ☒ Xi R38 R10 ----- ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	3-<10%
CAS: 78-83-1 EINECS: 201-148-0 Index number: 603-108-00-1	<i>iso-Butanol</i> ☒ Xi R37/38-41 R10-67 ----- ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	3-<5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing contaminated by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:**
  - Wash with soap and water.

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*If skin irritation continues, consult a doctor.*

· **After eye contact:**

*Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.*

· **After swallowing:**

*Rinse out mouth and then drink plenty of water.*

*Seek medical treatment.*

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed** symptomatic treatment

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents**

*Carbon dioxide (CO<sub>2</sub>), extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.*

· **For safety reasons unsuitable extinguishing agents** *Water with a full water jet.*

· **5.2 Special hazards arising from the substance or mixture**

*Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)*

*Can form explosive vapour-air mixtures.*

· **5.3 Advice for firefighters**

· **Protective equipment:** *Put on breathing apparatus.*

· **Additional information** *Collect contaminated fire fighting water separately. It must not enter drains.*

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

*Remove all ignition sources.*

*Ensure adequate ventilation.*

*Keep people at a distance and stay on the windward side.*

*Avoid contact with skin and eyes.*

*Use breathing protection against the effects of fumes/dust/aerosol.*

· **6.2 Environmental precautions:**

*Do not allow product to reach sewage system or water bodies.*

*Inform respective authorities in case product reaches water or sewage system.*

· **6.3 Methods and material for containment and cleaning up:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

· **6.4 Reference to other sections**

*See Section 8 for information on personal protection equipment.*

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## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

*Ensure good ventilation/exhaustion at the workplace.*

*Keep away from heat and direct sunlight.*

*Do not breathe vapour/spray.*

*Avoid contact with skin and eyes.*

*Make sure that all applicable workplace limits are observed.*

· **Information about protection against explosions and fires:**

*Keep ignition sources away - Do not smoke.*

*Protect against electrostatic charges.*

*Fumes can combine with air to form an explosive mixture.*

*Flammable fume/air mixtures may be formed in empty containers.*

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- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers:  
Observe all local and national regulations for storage of water polluting products.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

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

· Components with critical values that require monitoring at the workplace:	
<b>123-86-4 n-Butyl acetate</b>	
WEL (Great Britain)	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
<b>1330-20-7 Xylene, mixture of isomers</b>	
WEL (Great Britain)	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
IOELV (European Union)	Short-term value: 442 mg/m <sup>3</sup> , 100 ppm Long-term value: 221 mg/m <sup>3</sup> , 50 ppm Skin
<b>78-83-1 iso-Butanol</b>	
WEL (Great Britain)	Short-term value: 231 mg/m <sup>3</sup> , 75 ppm Long-term value: 154 mg/m <sup>3</sup> , 50 ppm
· Ingredients with biological limit values:	
<b>1330-20-7 Xylene, mixture of isomers</b>	
BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

- Additional information: The lists that were valid during the compilation were used as basis.
- 8.2 Exposure controls
- Personal protective equipment
- General protective and hygienic measures  
Instantly remove any contaminated garments.  
Keep away from foodstuffs, beverages and food.  
Do not eat, drink or smoke while working.  
Avoid contact with the eyes and skin.  
Do not inhale gases / fumes / aerosols.  
Wash hands during breaks and at the end of the work.
- Breathing equipment:  
If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.  
Filter A
- Protection of hands:  
Solvent resistant gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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· **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 safety glasses

· **Body protection:**

Solvent resistant protective clothing

Body protection must be chosen depending on activity and possible exposure.

### SECTION 9: Physical and chemical properties

· <b>9.1 Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	liquid
Colour:	different according to colour
· Smell:	solvent-like
· Odour threshold:	no data available
· pH-value:	not applicable
· <b>Change in condition</b>	
Melting point/Melting range:	not determined
Boiling point/Boiling range:	120 °C
· Flash point:	> 23 °C
· Inflammability (solid, gaseous)	not applicable
· Ignition temperature:	500 °C
· Decomposition temperature:	not determined
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
· <b>Critical values for explosion:</b>	
Lower:	1.1 Vol %
Upper:	7.0 Vol %
· Oxidizing properties	not applicable
· Vapor pressure:	not determined
· Density at 20 °C:	1.1-1.2 g/cm <sup>3</sup>
· Relative density at 20 °C	1.1-1.2 (H <sub>2</sub> O = 1)
· Vapour density (AIR = 1):	not determined
· Evaporation rate	not determined
· <b>Solubility in / Miscibility with</b>	
Water:	not miscible or difficult to mix
· <b>Partition coefficient (n-octanol/water):</b> not determined	
· <b>Viscosity:</b>	
dynamic:	not determined

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<b>kinematic at 20 °C:</b>	> 40 s (ISO 6 mm)
<b>· 9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- 10.1 Reactivity see 10.3
- 10.2 Chemical stability
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions Flammable vapour-air mixtures may develop.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: Strong oxidizing agents
- 10.6 Hazardous decomposition products: Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)

### \* SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

#### 123-86-4 n-Butyl acetate

Oral	LD50	13100 mg/kg (rat)
Dermal	LD50	14100 mg/kg (rabbit)
Inhalative	LC50/4 h	> 21 mg/l (rat)

#### 1330-20-7 Xylene, mixture of isomers

Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	6350 mg/l (rat)

#### 78-83-1 iso-Butanol

Oral	LD50	2460 mg/kg (rat)
Dermal	LD50	4200 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.5 - 24.6 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Long or repeated contact can defat skin and may cause dermatitis.
- **on the eye:** Short time, reversible irritating effect.
- **Subacute to chronic toxicity:** not classified
- **Additional toxicological information:**  
Inhalation of concentrated vapours may lead to anaesthesia-like conditions and headache, dizziness, etc.
- **Sensitisation** No sensitizing effect known.
- **Repeated dose toxicity** not classified
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
According to present knowledge no CMR-effects known.

### SECTION 12: Ecological information

- 12.1 Toxicity

· Aquatic toxicity:

#### 123-86-4 n-Butyl acetate

EC50	959 mg/l (pseudomonas putida) (EC10)
EC50/24 h	72.8 mg/l (water flea (daphnia magna))

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IC50/72 h	674.7 mg/l (algae ( <i>Scenedesmus subspicatus</i> ))
LC50/96 h	62 mg/l ( <i>leuciscus idus</i> ) 100 mg/l ( <i>bluegill (lepomis macrochirus)</i> ) 18 mg/l ( <i>fathead minnow (pimephales promelas)</i> )
NOEC/21 d	23 mg/l ( <i>water flea (daphnia magna)</i> )
<b>1330-20-7 Xylene, mixture of isomers</b>	
EC50	1 - 10 mg/l ( <i>bacteria</i> )
EC50/24 h	165 mg/l ( <i>water flea (daphnia magna)</i> )
IC50/72 h	1 - 10 mg/l ( <i>algae</i> )
LC50/48 h	86 mg/l ( <i>leuciscus idus</i> )
LC50/96 h	14 mg/l ( <i>rainbow trout (oncorhynchus mykiss)</i> )
<b>78-83-1 iso-Butanol</b>	
EC50/17 h	750 mg/l ( <i>pseudomonas putida</i> )
EC50/24 h	1250 mg/l ( <i>water flea (daphnia magna)</i> )
LC50/24 h	2600 mg/l ( <i>carassius auratus</i> )
LC50/48 h	1520 mg/l ( <i>leuciscus idus</i> )
LC50/96 h	1430 mg/l ( <i>fathead minnow (pimephales promelas)</i> )

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water bodies or sewage system.  
Water hazard class 2 (Self-assessment): hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue:**  
Waste disposal key numbers from EWC have to be assigned depending on origin and processing. For that reason waste disposal key numbers different from that listed below may be possible.

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances

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

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### SECTION 14: Transport information

<ul style="list-style-type: none"> <li>· 14.1 UN-Number</li> <li>· ADR, IMDG, IATA</li> </ul>	<p align="center">UN1263</p>
<ul style="list-style-type: none"> <li>· 14.2 UN proper shipping name</li> <li>· ADR</li> <li>· IMDG, IATA</li> </ul>	<p align="center">UN 1263 PAINT RELATED MATERIAL, Special provision 640E PAINT RELATED MATERIAL</p>
<ul style="list-style-type: none"> <li>· 14.3 Transport hazard class(es)</li> <li>· ADR</li> </ul>	<div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul> <p align="center">3 (F1) Flammable liquids. 3</p>
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul>	<div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul> <p align="center">3 Flammable liquids. 3</p>
<ul style="list-style-type: none"> <li>· 14.4 Packing group</li> <li>· ADR, IMDG, IATA</li> </ul>	<p align="center">III</p>
<ul style="list-style-type: none"> <li>· 14.5 Environmental hazards:</li> <li>· Marine pollutant:</li> </ul>	<p align="center">NO</p>
<ul style="list-style-type: none"> <li>· 14.6 Special precautions for user</li> <li>· Kemler Number:</li> <li>· EMS Number:</li> </ul>	<p align="center">Warning: Flammable liquids. 30 F-E,S-E</p>
<ul style="list-style-type: none"> <li>· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	<p align="center">Not applicable.</p>
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> </ul>	<p align="center">-----</p> <ul style="list-style-type: none"> <li>· ADR</li> <li>· Excepted quantities (EQ):</li> <li>· Limited quantities (LQ):</li> <li>· Transport category:</li> <li>· Tunnel restriction code:</li> </ul> <p align="center">E1 5L 3 D/E</p>
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	<p align="center">UN1263, PAINT RELATED MATERIAL, Special provision 640E, 3, III</p>

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### SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· National regulations

· Information about limitation of use: Employment restrictions concerning young persons must be observed.

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- **Decree to be applied in case of technical fault:**  
Quantity limits according to "EC Seveso directive" should be observed.
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for changes:** Changes in labelling
- **Relevant phrases**  
The(se) R- resp. H-phrase(s) are those of the ingredient(s) and do(es) not necessarily represent the classification of the preparation/mixture.
  - H226 Flammable liquid and vapour.
  - H312 Harmful in contact with skin.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H332 Harmful if inhaled.
  - H336 May cause drowsiness or dizziness.
- R10 Flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R37/38 Irritating to respiratory system and skin.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

- **Department issuing MSDS:**  
Sprayguns Direct Limited Morleys Group  
250 Osmaston Road, Derby  
DE23 8LB, England

Phone: +44 1332 611893  
Fax: +44 1332 331611

- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

- **\* Data compared to the previous version altered.**

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