

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

- **Date of compilation:** 07.06.2014
- **1.1 Product identifier**
- **Trade name:** VOC Filler high-build light grey / white / light grey / dark grey / black
- **Article number(s):** 20300 / 20320 / 20330 / 20340 / 20350 / 20400 / 20420
- **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:** Filler and surfacer
- **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.*
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

R10: Flammable.

- **Information concerning particular hazards for human and environment:**
Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.
Heightened risk of fire and danger of explosion at accumulation in lower-lying or closed rooms.
In the gas volume of sealed packages vapours of flammable solvents, especially at action of heat, may accumulate. Keep away fire and ignition sources.
- **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

- **Signal word** Warning
- **Hazard statements**
H226 Flammable liquid and vapour.
- **Precautionary statements**
- P101 *If medical advice is needed, have product container or label at hand.*
- P102 *Keep out of reach of children.*
- P103 *Read label before use.*
- P210 *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
- P243 *Take precautionary measures against static discharge.*

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- P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P233 Keep container tightly closed.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P403+P235 Store in a well-ventilated place. Keep cool.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

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

- **Dangerous components:**

CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	Xylene, mixture of isomers ☒ 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: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-Butyl acetate R10-66-67 ☠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	3-<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	1-Methoxy-2-propyl acetate R10 ☠ Flam. Liq. 3, H226	3-<10%

- **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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- **After skin contact:**
Instantly wash with water and soap and rinse thoroughly.
After prolonged skin contact defatting of skin possible, use skin protecting agent after prolonged skin contact.
- **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 immediate medical advice.
- **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

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
Carbon dioxide (CO₂), 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**
Flammable gases/vapours
Carbon monoxide (CO) and Carbon dioxide (CO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Cool endangered containers with water spray jet.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
If without risk possible, move drums with material away from dangerous area.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Avoid contact with skin and eyes.
Do not breathe vapour.
Remove all ignition sources.
Keep people at a distance and stay on the windward side.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Absorb liquid components with liquid-binding material.
Send for recovery or disposal in suitable containers.
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level (fumes are heavier than air).
Keep away from heat and direct sunlight.
Open and handle container with care.
Do not breathe vapour/spray.
Make sure that all applicable workplace limits are observed.
Avoid contact with eyes.
Avoid long or repeated skin contact.
- **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:
Provide solvent resistant, sealed floor.
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.

* **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:

1330-20-7 Xylene, mixture of isomers

WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
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IOELV (European Union)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin
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123-86-4 n-Butyl acetate

WEL (Great Britain)	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm
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108-65-6 1-Methoxy-2-propyl acetate

WEL (Great Britain)	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
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IOELV (European Union)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin
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- DNELs

108-65-6 1-Methoxy-2-propyl acetate

Oral	DNEL long-term exposure - systemic effects	1.67 mg/kg bw/d (general population)
Dermal	DNEL long-term exposure - systemic effects	54.8 mg/kg bw/d (general population) 153.5 mg/kg bw/d (worker)
Inhalative	DNEL long-term exposure - systemic effects	33 mg/m ³ (general population) 275 mg/m ³ (worker)

- PNECs

108-65-6 1-Methoxy-2-propyl acetate

PNEC	0.635 mg/l (aqua (freshwater)) 6.35 mg/l (aqua (intermittent releases)) 0.0635 mg/l (aqua (marine water)) 3.29 mg/kg (sediment (freshwater)) 0.329 mg/kg (sediment (marine water)) 0.29 mg/kg (soil)
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100 mg/l (STP (sewage treatment plant))	
· Ingredients with biological limit values:	
1330-20-7 Xylene, mixture of isomers	
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**

Do not inhale gases / fumes / aerosols.

Do not eat, drink or smoke while working.

Wash hands during breaks and at the end of the work.

Use skin protection cream for preventive skin protection.

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

· **Breathing equipment:**

If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.

· **Protection of hands:**

Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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

Check the permeability prior to each renewed use of the glove.

To avoid skin problems reduce the wearing of gloves to the required minimum.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

· **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**

Protective gloves should be replaced at first signs of wear.

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

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: highly viscous

Colour: different according to colour

· **Smell:** characteristic

· **Odour threshold:** not determined

· **pH-value:** not applicable

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· Change in condition Melting point/Melting range:	not determined
Boiling point/Boiling range:	not determined
· Flash point:	> 23 °C
· Inflammability (solid, gaseous)	not applicable
· Ignition temperature:	315 °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.
· Critical values for explosion: Lower:	not determined
Upper:	not determined
· Oxidizing properties	none
· Vapor pressure:	not determined
· Density at 20 °C:	1.4 - 1.6 g/cm ³
· Relative density at 20 °C	1.4 - 1.6 (H ₂ O = 1)
· Vapour density (AIR = 1):	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 at 20 °C:	> 40 s (ISO 6 mm)
· 9.2 Other information	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.
Used empty containers may contain product gases which form explosive mixtures with air.
- **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 (CO₂)

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SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

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)

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)

108-65-6 1-Methoxy-2-propyl acetate

Oral	LD50	8532 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)
Inhalative	LC50/4 h	35.7 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

· **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:**

1330-20-7 Xylene, mixture of isomers

EC50	1 - 10 mg/l (bacteria)
EC50/24 h	165 mg/l (water flea (daphnia magna))
IC50/72 h	1 - 10 mg/l (algae)
LC50/48 h	86 mg/l (leuciscus idus)
LC50/96 h	14 mg/l (rainbow trout (oncorhynchus mykiss))

123-86-4 n-Butyl acetate

EC50	959 mg/l (pseudomonas putida) (EC10)
EC50/24 h	72.8 mg/l (water flea (daphnia magna))
IC50/72 h	674.7 mg/l (algae (Scenedesmus subspicatus))
LC50/96 h	62 mg/l (leuciscus idus)
	100 mg/l (bluegill (lepomis macrochirus))
	18 mg/l (fathead minnow (pimephales promelas))
NOEC/21 d	23 mg/l (water flea (daphnia magna))

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108-65-6 1-Methoxy-2-propyl acetate	
IC50/96 h	100 - 180 mg/l (rainbow trout (<i>oncorhynchus mykiss</i>)) (OECD 203) IUCLID
LC50/96 h	100-180 mg/l (red killifish (<i>Oryzias latipes</i>)) (OECD 203) ECHA-Reg.-Dossier (1987-09-21)

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

· European waste catalogue:	
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.

SECTION 14: Transport information

· 14.1 UN-Number	
· ADR, IMDG, IATA	UN1263
· 14.2 UN proper shipping name	
· ADR	UN1263 PAINT, Special provision 640E
· IMDG, IATA	PAINT
· 14.3 Transport hazard class(es)	
· ADR	
	
· Class	3 (F1) Flammable liquids.
· Label	3

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· IMDG · Class	3 Flammable liquids.
· IATA	
	
· Class · Label	3 Flammable liquids. 3
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant:	NO
· 14.6 Special precautions for user · EMS Number:	Warning: Flammable liquids. F-E, S-E
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Transport by post may be prohibited or restricted.
· ADR · Excepted quantities (EQ): · Limited quantities (LQ): · Transport category: · Tunnel restriction code: · Remarks:	E1 5L 2 (D/E) According to 2.2.3.1.5 ADR/RID the product in receptacles of less than 450 litres capacity is not subject to ADR/RID.
· IMDG · Remarks:	According to 2.3.2.5 IMDG-Code the product in receptacles of less than 30 litres capacity is not subject to IMDG-Code.
· UN "Model Regulation":	UN1263, PAINT, Special provision 640E, 3, III

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.
- **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
- **VOC (EU):** ≤ 490 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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.

Concerning: Revised data

*The current MSDS has been changed against the previous version. Chapters which have been changed, are marked with an asterisk * at the chapter number.*

· **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.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

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)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

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

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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

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