

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 01.09.2014  
Revision: 08.2014  
Version: 1

**1.1 Product identifier**

**Trade name:** QUARZ

**Article number:** 9.BFQUARZ/8 – 9.BFQUARZ500/8 – 9.BFQUARZ250/6

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Sector of Use**

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category** PC31 Polishes and wax blends

**Application of the substance / the mixture** Car care product

**1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:**

RUPES SpA

Via Marconi 3/A

20080 Vermezzo – MILANO – Italy

Tel.: +39 02.94.694.1

Fax: +39 02.94.94.10.40

**SECTION 2: Hazards identification**

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

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

**2.2 Label elements**

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

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Precautionary statements** P102 Keep out of reach of children.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Emulsion of solvents, abrasives and additives

EC number: 920-114-2 Reg.nr.: 01-2119459347-30-XXXX	Hydrocarbons, C14-C19, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1, H304	15-25%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-XXXX	1-Methoxy-2-propanol R10-67 Flam. Liq. 3, H226; STOT SE 3, H336	< 5%
CAS: 107-21-1 EINECS: 203-473-3 Reg.nr.: 01-2119456816-28-xxxx	ethanediol Xn R22 STOT RE 2, H373; Acute Tox. 4, H302	< 5%

**Additional information:**

Note: Any entry in the EC column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.

For the wording of the listed risk phrases refer to section 16.

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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:** No special measures required.

**After inhalation:** Supply fresh air.

**After skin contact:**

Generally the product does not irritate the skin.

Wash the areas of skin affected with water and a mild detergent.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** Do not induce vomiting; call for medical help immediately.

**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**

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** The normal measures for firefighting are to be taken.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

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

Pick up mechanically.

Absorb liquid components with liquid-binding material.

Dispose contaminated material as waste according to item 13.

**6.4 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.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

**Information about fire - and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:** Provide solvent resistant, sealed floor.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:**

Store receptacle in a well ventilated area.

Protect from frost.

Recommended storage temperature: 20 °C.

**7.3 Specific end use(s)** No further relevant information available.

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**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

<b>Ingredients with limit values that require monitoring at the workplace:</b>		
<b>107-98-2 1-Methoxy-2-propanol</b>		
WEL (Great Britain)		Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm Sk
IOELV (EU)		Short-term value: 568 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm Skin
<b>107-21-1 ethanediol</b>		
WEL (Great Britain)		Short-term value: 104** mg/m <sup>3</sup> , 40** ppm Long-term value: 10* 52** mg/m <sup>3</sup> , 20** ppm Sk *particulate **vapour
IOELV (EU)		Short-term value: 104 mg/m <sup>3</sup> , 40 ppm Long-term value: 52 mg/m <sup>3</sup> , 20 ppm Skin
<b>DNELs</b>		
<b>107-98-2 1-Methoxy-2-propanol</b>		
Oral	DNEL	3.3 mg/kg (consumer) (long-term / systemic effects)
Dermal	DNEL	18.1 mg/kg (consumer) (long-term / systemic effects) 50.6 mg/kg (worker) (long-term / systemic effects)
Inhalative	DNEL	43.9 mg/m <sup>3</sup> (consumer) (long-term / systemic effects) 553.5 mg/m <sup>3</sup> (worker) (short-term / local effects) 369 mg/m <sup>3</sup> (worker) (long-term / systemic effects)
<b>107-21-1 ethanediol</b>		
Dermal	DNEL	53 mg/kg bw/day (consumer) (long term (chronic) / systemic) 106 mg/kg bw/day (worker) (long term (chronic) / systemic)
Inhalative	DNEL	7 mg/m <sup>3</sup> (consumer) (long term (chronic) / local) 35 mg/m <sup>3</sup> (worker) (long term (chronic) / local)
<b>PNECs</b>		
<b>107-98-2 1-Methoxy-2-propanol</b>		
PNEC		100 mg/l (STP) 2.47 mg/kg (gro) 41.6 mg/kg (sediment (fresh water)) 4.17 mg/kg (sediment (sea water)) 100 mg/l (water (intermittent release)) 10 mg/l (water (fresh water)) 1 mg/l (water (sea water))
<b>107-21-1 ethanediol</b>		
PNEC		199.5 mg/l (STP) 1.53 mg/kg (gro) 20.9 mg/kg (sediment (fresh water)) 10 mg/l (water (intermittent release)) 10 mg/l (water (fresh water)) 1 mg/l (water (sea water))

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Suitable technical control devices**

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

**Respiratory protection:**

Not required in normal cases

Ensure good ventilation/exhaustion at the workplace.

**Protection of hands:** Not required in normal cases

**Eye protection:** Not required in normal cases

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**SECTION 9: Physical and chemical properties**

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

Appearance:

Form: Pasty

Colour: White

Odour: Characteristic

Odour threshold: Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 100 – 330 °C

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature:

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 0.98 – 1.00 g/cm<sup>3</sup>

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with water: Partly miscible.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Flow time not applicable

Dynamic at 20 °C: 10000 - 20000 mPas

Kinematic at 40 °C: >20.5 mm<sup>2</sup>/s

9.2 Other information No further relevant information available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No dangerous reactions known.

**10.2 Chemical stability** Stable under normal conditions.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** See Section 7 for information on safe handling.

**10.5 Incompatible materials:** strong oxidizing agents

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects** There are no toxicological findings on this mixture.

**Acute toxicity:**

<b>LD/LC50 values relevant for classification:</b>		
<b>Hydrocarbons, C14-C19, isoalkanes, cyclics, &lt; 2% aromatics</b>		
Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4h	>5266 mg/l (rat) (Aerosol (OECD 403))
<b>107-98-2 1-Methoxy-2-propanol</b>		
Oral	LD50	4016 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC0 / 6h	>7000 ppm (rat)
<b>107-21-1 ethanediol</b>		
Oral	LD50	7712 mg/kg (rat)
Dermal	LD50	>3500 mg/kg (mouse)
Inhalative	LC50 / 6h	>2.5 mg/l (rat)

**Primary irritant effect:**

**on the skin:** On the basis of the available data, the classification criteria are not complied with (Conventional Method).

**on the eye:** On the basis of the available data, the classification criteria are not complied with (Conventional Method).

**Sensitization:** On the basis of the available data, the classification criteria are not complied with (Conventional Method).

**Repeated dose toxicity**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

**CMR effects (carcinogenicity, mutagenicity)**

**SECTION 12: Ecological information**

**12.1 Toxicity** There are no ecotoxicological data available on this mixture

<b>Aquatic toxicity:</b>	
<b>Hydrocarbons, C14-C19, isoalkanes, cyclics, &lt; 2% aromatics</b>	
ELO 48 h	1000 mg/l (Daphnia magna)
ErLO 72h	1000 mg/l (Pseudokirchneriella subcapitata)
LLO 96h	87556 mg/l (Oncorhynchus mykiss)
NOELR 21d	5 mg/l (Daphnia magna)
NOELR 72 h	1000 mg/l (Pseudokirchneriella subcapitata)
<b>107-98-2 1-Methoxy-2-propanol</b>	
EC50	>1000 mg/l (Pseudokirchneriella subcapitata) (7d)
EC50/3h	>1000 mg/l (Bel) (OECD 209)
LC 50 / 96 h	>6800 mg/l (Leuciscus idus) (DIN38412)
LC50 / 48h	23300 mg/l (Daphnia magna)
<b>107-21-1 ethanediol</b>	
EC20	>1995 mg/l (Bel)
EC50 / 48h	>100 mg/l (Daphnia magna)
EC50 / 96 h	6500 - 13000 mg/l (Pseudokirchneriella subcapitata)
LC 50 / 96 h	72860 mg/l (Pimephales promelas)
<b>12.2 Persistence and degradability</b>	
<b>Hydrocarbons, C14-C19, isoalkanes, cyclics, &lt; 2% aromatics</b>	
Biodegradation	17.7 % (-) (28d)

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107-98-2 1-Methoxy-2-propanol Biodegradation 90 - 100 % (-) (OECD 301E)  
107-21-1 ethanediol Biodegradation 90-100 % (-) (OECD 301A)

**12.3 Bioaccumulative potential**

107-98-2 1-Methoxy-2-propanol log Kow -0.43 log Kow (-) (25 °C)  
107-21-1 ethanediol log POW -1.36 log POW (-)

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:** The product may not be released into the environment without control.

**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** Waste must be disposed of while observing the local, official regulations.

**European waste catalogue**

1) Disposal / product

2) Disposal / contaminated packaging

20 01 13\* solvents

15 01 02 plastic packaging

**SECTION 14: Transport information**

14.1 UN-Number ADR, IMDG, IATA

Void

14.2 UN proper shipping name ADR, IMDG, IATA

Void

14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class

Void

14.4 Packing group ADR, IMDG, IATA

Void

14.5 Environmental hazards: Marine pollutant:

No

14.6 Special precautions for user

Not applicable.

UN "Model Regulation":

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**SECTION 15: Regulatory information**

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

The following substance(s) in this product is (are) identified by CAS number either in countries not subject to the REACH regulation or in regulations not yet updated with the new naming convention for hydrocarbon solvents.

Hydrocarbons, C14-C19, isoalkanes, cyclics, < 2% aromatics: CAS 64742-46-7

**National regulations:**

**Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

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

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**SECTION 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.*

**Relevant phrases**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

R10 Flammable.

R22 Harmful if swallowed.

R67 Vapours may cause drowsiness and dizziness.

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = letal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

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

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1