

# LIQUID QUARTZ

THE ESSENTIAL COFFEE MACHINE DETERGENT.

## Directions:

### Traditional cappuccino coffee machines

Cleaning groups to be carried out at the close of business each day:-

1. Put a blank filter in the filter holder.
2. Put a cap full of Liquid Quartz into the blank filter and place holder into the group.
3. Back wash the group by switching the group on and allowing the water to circulate the group for 30 seconds.
4. After 30 seconds switch the group off and allow the waste water to be discharged.
5. Repeat process 3 and 4 until the waste water discharged is clean.
6. Rinse the group several times using the normal coffee making filter.

### Cleaning of filters and filter holders

1. Dissolve 2 - 3 cap full's of Liquid Quartz per litre of boiling water in a jug, place filters and filter holders in solution and leave until solution becomes cold, or filters and filter holders become clean. Rinse well with fresh water.

## Typical Specifications:

Appearance	Colourless liquid
Odour	Barely perceptible
Rinsability	Excellent
pH (conc)	14.0

## Material Safety and Storage:

Store in a cool dry place away from children.  
Protect from frost.

## Precautions:

Liquid Quartz is classified Corrosive. Wear suitable gloves and eye/face protection when handling the concentrate. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If product is spilled on skin, remove contaminated clothing and wash off immediately with plenty of water.

DO NOT MIX WITH OTHER CHEMICALS.

**fracino**<sup>®</sup>

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# SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY UNDERTAKING



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Product Name: **LIQUID QUARTZ**Product Code: **0292**Description: **Liquid coffee machine cleaner.**

## 2. COMPOSITION & INFORMATION ON INGREDIENTS *The formulation contains the following with notification requirements:-*

COMPONENT	CAS.No	EINECS No	%AGE	CLASSIFICATION
Sodium Hydroxide (WEL)	001310-73-2	215-185-5	1 - 10%	C R35
Sodium Alkyl Ether Sulphate (neutralised Alkyl Sulphonic Acid)	068891-38-3	Reacted ingredient	1 - 10%	Xi R36/38
Tridecyl Alcohol Ethoxylate	009043-30-5	Not listed	1 - 10%	Xn R22, Xi: R41

### Ingredients according to EC 648/2004

Less than 10% : Sodium Hydroxide  
Less than 10% : Anionic & Nonionic Surfactant  
Less than 10% : Non ionic surfactant

Full text of R-phrases is given in section 16.

## 3. HAZARDS IDENTIFICATION

Corrosive - causes severe burns. Risk of serious damage to eyes. This product contains a material with an WEL published in HSE document EH40.

## 4. FIRST AID MEASURES

**Eyes:** Rinse immediately with copious quantities of water, holding the eyelids open and obtain medical attention immediately.  
**Inhalation:** Move from source of exposure to fresh air. Seek medical advice if symptoms persist.  
**Skin:** Flush contaminated area with water, remove contaminated clothing and wash before re-use. If irritation persists or if there is any sign of tissue damage, seek medical advice.  
**Ingestion:** Remove product from mouth, give casualty lots of water to drink and obtain medical attention. Do not induce vomiting.

## 5. FIRE FIGHTING MEASURES

Product is NON FLAMMABLE.

In the event of a fire due to other causes the product is compatible with water, foam, carbon dioxide and dry powder extinguishers. May evolve toxic fumes if involved in a fire. Fire-fighters should wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

## 6. ACCIDENTAL RELEASE MEASURES

Spillages will be slippery. Wear suitable protective clothing including gloves and eye/face protection. Hose away with plenty of clean water diluting to at least 1% w/v (10g/litre) unless this would contaminate a water course or vegetation, in which case either collect, dilute as earlier and pour down wastewater drain or absorb onto dry sand or a similar material and dispose of to a licensed waste management company.

## 7. HANDLING & STORAGE

Avoid unnecessary contact with the product. Adopt good standards of industrial hygiene and safe working practices. Wear suitable protective clothing, gloves and eye/face protection. Do not mix with any other chemicals other than as advised by your local Advantage representative.

Keep containers locked and away from children. Store in a cool, dry, ventilated place. Protect from frost.

## 8. EXPOSURE CONTROL & PERSONAL PROTECTION

**Hand:** Wear gloves resistant to Sodium Hydroxide. Avoid skin contamination when removing protective clothing.  
**Eyes:** Safety goggles to EN 166 and/or face shield.  
**Skin:** Protective overalls or bib resistant to alkalis and shoes/boots.  
**Respiratory:** Personal protection is not normally required unless a risk assessment indicates the need for it.

**WEL:** Sodium Hydroxide - 2mg/cubic metre (8hr limit), 2mg/cubic metre (15 min limit)

ref. HSE publication EH40

## 9. PHYSICAL & CHEMICAL PROPERTIES

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Appearance: Colourless liquid.

Odour: Barely perceptible odour.

pH (approx): 14 (conc)

Solubility: 100%

Flammability: Not flammable.

Sg: 1.05 - 1.06mg/l.

## 10. STABILITY & REACTIVITY

Keep away from strong oxidising agents and acids. Provided the product is stored in accordance with the approved guidelines, there are no known hazardous decomposition products.

## 11. TOXICOLOGICAL INFORMATION

Eyes: Corrosive - causes severe burns.

Skin: Corrosive - causes severe burns.

Inhalation: Corrosive - may cause pulmonary oedema.

Ingestion: Corrosive - strong caustic effect on mouth and throat and danger of perforation to oesophagus and stomach.

## 12. ECOLOGICAL INFORMATION

When used for its intended purpose this product should not cause adverse effects in the environment.

## 13. DISPOSAL INFORMATION

This product formulation does not contain any prescribed substance under the Environmental Protection Act (*Prescribed Processes and Substances*) Regulations 1991 but is classified as special waste under the Control of Substances (*Special Waste*) Regulations 1996. For small quantities wear suitable gloves and eye/face protection. Dilute with water to at least 1% w/v (10g/litre) and pour down wastewater drain. Rinse out containers at least twice and recycle packaging if facilities exist or dispose of as commercial waste. For large quantities contact a licensed waste management company. European waste catalogue 20 01 15 Alkalines

## 14. TRANSPORT INFORMATION

EEC Regulation: C, Corrosive, Sodium Hydroxide Solution, UN1824, Hazchem 2R.

IMDG/UN: Sodium Hydroxide Solution, UN1824, Class 8, Pack Group 11.

RID/ADR: Class 8, Hazard ID No 80.

ICAO/IATA: Cargo Aircraft: 819.

Tremcard No: 80G12.



## 15. REGULATORY INFORMATION

Hazard Symbol: C CORROSIVE



Risk phrases: R35 Causes severe burns.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.

Safety phrases: S1/2 Keep locked up and out of the reach of children.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S27/28 After contact with skin take off all contaminated clothing and wash immediately with plenty of clean water.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell seek medical advice immediately.  
S64 If swallowed, rinse mouth with water (only if person is conscious).

## 16. OTHER INFORMATION

Handle and apply only as recommended. For full information see product data sheet 0292.

Text of risk phrases associated with ingredients in section 2.

R22 Harmful if swallowed  
R35 Causes severe burns  
R36/38 Irritating to eyes and skin  
R41 Risk of serious damage to eyes

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