

! 1. Identification of the substance/preparation

Name of product	GranQuartz 631C Heavy Duty Cleaner
Manufacturer/distributor	GranQuartz Stone Care Systems 4963 S.Royal Atlanta Dr., Tucker, GA 30084 Phone 1-800-458-6222
Advice	Techn. Department Phone 1-800-458-6222
! Recommended intended purpose(s)	
Cleaner	

2. Composition/information on ingredients

Chemical characterization

Alkaline cleaner

Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
-		anionic surfactants	< 20	Xi R 38-41
000067-63-0	200-661-7	propan-2-ol	< 15	F R11; Xi R36; R67
000111-76-2	203-905-0	ethylene glycol monobutyl ether; butylcellosolve	< 20	Xn R20/21/22; Xi R36/38
001310-73-2	215-185-5	sodium-hydroxide	> 5	C R35

3. Special hazards information for man and environment

R-phrases

35 Causes severe burns.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

5. Fire-fighting measures

Suitable extinguishing material

Product does not burn, fire-extinguishing activities according to surrounding.

Extinguishing material that may not be used for safety reasons

Full water jet

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.
Use personal protective clothing.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder).

7. Handling and storage

Advice on safe handling

Take the usual precautions when handling with chemicals.

Advice on protection against fire and explosion

No special measures necessary.

Requirements for storage rooms and vessels

Do not use glass containers.

Further information on storage conditions

Keep container dry, tightly closed and store at cool and aired place.

8. Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored

CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
000067-63-0	propan-2-ol	MAK	500	200	Y
000111-76-2	2-butoxyethanol	MAK	98	20	H,Y
001310-73-2	sodium-hydroxide	MAK	2 E		Y, u.D.

Hand protection

Gloves (alkali-resistant)

Eye protection

safety goggles

Skin protection

Alkali-resistant protective clothing

General protective measures

Avoid contact with eyes and skin

Hygiene measures

At work do not eat, drink and smoke.

9. Physical and chemical properties

Form

liquid

Colour

yellowish

Odour

characteristic

Data relevant for safety

	Value	Temperature	at	Method	Remark
pH value in delivery state	> 12				
starts to boil	> 90 °C				
Flash point	> 65 °C				

Safety data-sheet (91/155 EEC)

Printed 25.05.2004

Revision 23.01.2004 (GB) Version 1.5

GranQuartz 631C Heavy Duty Cleaner

	Value	Temperature	at	Method	Remark
Density	ca. 1,1 g/cm ³				
Solubility in water					multimiscible

10. Stability and reactivity

Conditions to avoid

Reactions with light metals, with evolution of hydrogen.

Materials to avoid

Reactions with acids.

11. Toxicological information

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD 50 acute oral	not determined			
LD 50 acute dermal	not determined			
LC 50 acute inhalation	not determined			

12. Ecological information

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	not determined			
Biological degradability	not determined			

13. Disposal considerations

Waste code No.

06 02 04*

Name of waste

sodium and potassium hydroxide

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

14. Transport information

Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)

Identification	Caustic alkali liquid, n.o.s. (Sodium hydroxide)
UN-No.	1719
Class	8
PG	III
Hazard No.	80

Marine transport IMDG/GGV See

Proper shipping name	Caustic alkali liquid, n.o.s., (Sodium hydroxide)
UN-No.	1719
Class	8
PG	III
Marine pollutant	No
EmS-No.	8-06

Air transport ICAO/IATA

Proper shipping name	Caustic alkali liquid, n.o.s., (Sodium hydroxide; solution)
UN/ID-No.	1719
Class	8
PG	III

15. Regulatory information

Remarks for classification

The product is classified and labelled in accordance with EC directives.

Classification

C Corrosive

R-phrases

35 Causes severe burns.

S-phrases

1/2 Keep locked up and out of reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazardous ingredients for labeling

sodium-hydroxide

National regulations

Classification according to VbF/ remarks VbF: is not subject to decree for combustible liquids.

Water hazard class 2 VwVwS (17. 05. 1999)

16. Other information

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 11 Highly flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 35 Causes severe burns.

R 36 Irritating to eyes.

R 36/38 Irritating to eyes and skin.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.
