
1. Identification of the substance/preparation

Name of product	GranQuartz 902K Anti-Slip Fluid
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**

Produkt with fluorides

Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
001341-49-7	215-676-4	ammonium-hydrogendifluoride	< 10	T R25; C R34

3. Special hazards information for man and environment**R-phrases**

22	Harmful if swallowed.
34	Causes 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 with Ca-Gluconate solution.

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.

Special exposure hazards arising from the substance, combustible products or resulting gases

Hydrogen fluoride (HF)

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. general-purpose binder).
Neutralize with slaked lime.

7. Handling and storage

Advice on safe handling

Use only in well-ventilated areas.
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

Respiratory protection

Short term: filter apparatus, filter E

Hand protection

Gloves (acid-resistant)

Eye protection

safety goggles

Skin protection

Acid-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
colourless, clear

Odour
odourless

Data relevant for safety

	Value	Temperature	at	Method	Remark
pH value in delivery state	ca. 1,5 - 4,5				
starts to boil	> 90 °C				
Flash point	not applicable				
Density	ca. 1,0 g/cm ³				

	Value	Temperature	at	Method	Remark
Solubility in water					multimiscible

10. Stability and reactivity**Conditions to avoid**

Reactions with metals, with evolution of hydrogen.

Hazardous decomposition products

Hydrogen fluoride

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.**

16 03 03*

Name of waste

inorganic wastes containing dangerous substances

Recommendations for the product

Neutralize with lime.

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	Ammonium hydrogen difluoride solution
UN-No.	2817
Class	8
PG	III
Hazard No.	86

Marine transport IMDG/GGV See

Proper shipping name	Ammonium hydrogendifluoride solution
UN-No.	2817
Class	8
PG	III
Marine pollutant	No
EmS-No.	8-06

Air transport ICAO/IATA

Proper shipping name	Ammonium hydrogendifluoride solution
UN/ID-No.	2817
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

22 Harmful if swallowed.
34 Causes 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

ammonium-hydrogendifluoride

National regulations

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

Water hazard class 1 VwVwS (17. 05. 1999)

Other regulations, restrictions and prohibition regulations

ZH 1/161 "Data Sheet: Hydrogen fluoride, hydrofluoric acid and inorganic fluorides (M 005)"

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 25 Toxic if swallowed.
R 34 Causes burns.