

StoneBrite

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

1.1. Product identifier

Product form :
Product name : StoneBrite

MSDS Code : 008490

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

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Cleaner/friction improver for stone, concrete and ceramic surfaces

1.2.2. Uses advised against

This product is not recommended for any industrial, professional or consumer use other than the identified uses above.

1.3. Details of the supplier of the safety data sheet

ANACHEM 55 SCHOOL ROAD, BALLYMARTIN, KILKEEL, COUNTY DOWN, N. IRELAND, BT34 4UP, NORTHERN IRELAND
Tel: 028 437 67111 Fax: 028 437 68080 Email: leon.hanna@btconnect.com

1.4. Emergency telephone number

Emergency number : Mon to Fri 8.30am to 5.00pm - 028 437 67111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Met Corr 1 - H290
Skin Irrit 2 - H315 H302 + H312

2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Pictogram



Signal word Warning

H302 + H312: Harmful if swallowed or in contact with skin R21/22 H315 + H320: Causes skin and eye irritation R36/38
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician IF ON SKIN: Apply calcium gluconate gel immediately and seek medical attention.
IF IN EYES: Rinse with water for several minutes. Remove contact lenses if possible. Continue rinsing. Apply calcium gluconate drops if available.

2.3. Other hazards

This product contains no substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substance

3.2. Mixture

Ammonium hydrogen fluoride 1-5 %		C9-C11 alcohol ethoxylate 1-5 %	
CAS number: 1341-49-7 Classification	EC number: 215-676-4	CAS number: 1310-73-2 Classification	EC number: 215-185-5
Acute Tox 3 - H301	H301: Toxic if swallowed R25	Acute Tox 4 - H302	H302: Harmful if swallowed R22
Skin Corr 1B - H314	H314: Causes severe skin burns and eye damage R35	Eye Dam 1 - H318	H318: Causes serious eye damage R41

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according to Regulation (EC) No. 453/2010

Hydrochloric Acid 28% 30-60 %	
CAS number: 7647-1-0 Classification	EC number: 231-595-7
Met Corr 1 - H290	H290 : May be corrosive to metals
Skin Corr 1B - H314	H314: Causes severe skin burns and eye damage R35
STOT SE 3 - H336	H336: May cause drowsiness or dizziness R67

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general : Get medical advice/attention if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable breathing.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation :Coughing, chest tightness, feeling of chest pressure.
Symptoms/injuries after skin contact :Delayed chemical burns with white and wrinkled skin, if chemical is not removed promptly by washing.
Symptoms/injuries after eye contact :May cause blurred vision and serious eye damage or chemical eye burns.
Symptoms/injuries after ingestion :May cause severe discomfort if swallowed. May cause severe throat and stomach pain and/or vomiting. Ingestion of large quantities may result in unconsciousness, blindness and possibly death.

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor**

Treatment should be symptomatic. Show the label to medical personnel if possible..

SECTION 5: Firefighting measures**5.1. Extinguishing media**

This product is not flammable. Fire extinguishing media should be selected according to the nature of surrounding materials.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition or combustion may liberate toxic gases or vapours.

5.3. Advice for firefighters

Stay up-wind to avoid breathing fumes or vapours. Keep run-off water out of sewers and watercourses. If there is risk of water pollution, notify appropriate authorities. Use self-contained breathing apparatus, gloves and protective goggles. Use full protective clothing appropriate for surrounding materials.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Protective equipment required: respiratory protection, protective gloves, goggles, clothing and footwear. See section 8.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

6.2. Environmental precautions

Do not discharge into water courses. Place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY notified to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Wear suitable protective clothing. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush remaining spilled material to foul sewer if local regulations permit. For waste disposal, see section 13.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Observe good chemical hygiene and handling practices. Refer to section 6.1 for personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Hygiene measures : Do not eat, drink or smoke when using this product.
 Technical measures : Does not require any specific or particular technical measures.
 Storage conditions : Keep container closed when not in use.
 Incompatible products : Oxidizing agent. Strong acids. Strong bases.

7.3. Specific end use(s)

Special rules on packaging : Keep only in original container.
 No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Statutory and derived exposure data for Ammonium hydrogen fluoride

Workplace Exposure Limits (WEL)					
TWA - 8hr		STEL - 15mins			
ppm	2.5 mg/m3	ppm			5 mg/m3

Derived and predicted exposure parameters		
DNEL (mg/m3) No data available		PNEC No data available

Statutory and derived exposure data for C9-C11 alcohol ethoxylate

Workplace Exposure Limits (WEL)					
TWA - 8hr		STEL - 15mins			
- ppm	- mg/m3	- ppm	2		mg/m3

Derived and predicted exposure parameters					
DNEL (mg/m3)			PNEC		
Inhalation	Long Term	294.0000	STP	1.4000	mg/l
			Fresh water	0.1038	mg/l
			Marine water	0.1038	mg/l

Statutory and derived exposure data for Hydrochloric Acid 28%

Workplace Exposure Limits (WEL)					
TWA - 8hr		STEL - 15mins			
1 ppm	2 mg/m3	5 ppm	8		mg/m3

Derived and predicted exposure parameters					
DNEL (mg/m3)			PNEC		
Inhalation	Long Term	294.0000	STP	0.0360	mg/l
			Fresh water	0.0360	mg/l
			Marine water	0.0360	mg/l

8.2. Exposure controls

Protective Equipment

**Appropriate engineering controls**

No specific ventilation requirements. If this product is used in such a way as to generate spray mist, additional ventilation may be required.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Face shield and chemical splash goggles conforming to ANSI Z87.1.

Hand protection

Protection against this substance requires special consideration. Use protective gloves, complying with an approved standard (EN374), made of the following material: PVC or Nitrile.

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Frequent change is advisable.

Other skin and body protection

Wear appropriate protective clothing to prevent any possibility of skin contact. Provide eyewash station.

Hygiene measures

Provide eye wash station and suitable hand cleaning/hand care facilities. When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.

Respiratory protection

Respiratory protection may be required if the usage method generates excessive levels of mist/dust. If necessary, wear a mask fitted with a cartridge P2/P3 suitable for mist/dust.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	: Clear Mobile Liquid
Odour	: Faint sharp.
Odour threshold	: No data available
pH (Concentrate), pH (10%)	: 1,1
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density (air = 1)	: No data available
Relative density at 20 °C	: 1,04
Solubility	: Soluble in all proportions
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

The following materials may react with the product: Strong reducing agents.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Reaction with alkalis will generate heat.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Strong oxidisers. Alkalis (generates heat).

10.6. Hazardous decomposition products

Product does not decompose under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No data recorded for mixture
Acute toxicity - oral (Calculated from raw material data. This product is not tested on animals)	ATE oral (mg/kg) 1104
Skin corrosion/irritation (Human skin model test)	Scientifically unjustified
Extreme pH (Based on in Vitro calculation from pH and Alkali Reserve)	Based on in Vitro calculation from pH and Alkali Reserve. Irritating
General	Prolonged and repeated exposure/ingestion of fluoride-rich products may lead to permanent health problems.
	can pose an additional hazard.
Inhalation	Spray mist may burn respiratory membranes
Ingestion	Will cause severe irritation to mouth, throat and stomach if swallowed. Ingestion of large quantities can lead to fluoride poisoning.
Skin contact	Corrosive to skin. Causes burns. Effect may be delayed.
Eye contact	Corrosive to eyes. May cause corneal damage.
Route of entry	Inhalation (spray mist). Ingestion. Skin. Eyes.
Medical symptoms	Severe skin irritation. Severe lung irritation. Reddened/burned skin if chemical is not removed by washing. Effects may be delayed and without pain.
Medical considerations	Treatment should be as per acute fluoride poisoning. Consider calcium gluconate preparations for skin/eyes and calcium chloride solution for ingestion.

Toxicological information of ingredients

Ammonium hydrogen fluoride	LD50	oral	rat	130	mg/kg
C9-C11 alcohol ethoxylate	LD50	oral	rat	3000	mg/kg
Hydrochloric Acid 28%	LD50	oral	rat	700	mg/kg
	LD50	dermal	rabbit	>5010	mg/kg

Safety Data Sheet**SECTION 12: Ecological information**

The product is not expected to be hazardous to the environment.

The product components are not classified as environmentally hazardous. Large spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

The product does not contain organically bound halogen.

The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days.

12.1. Toxicity**Acute aquatic toxicity**

Details shown in section 08, when applicable.

12.2. Persistence and degradability

The surfactants contained in this product comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

The product is biodegradable but it must not be discharged into drains without permission from the relevant authorities.

12.3. Bioaccumulative potential

This product is not expected to bioaccumulate

12.4. Mobility in soil

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

When handling waste, the safety precautions applying to handling of the product should be considered. The packaging must be empty (drop-free when inverted).

Disposal methods

Packaging should be reused, recycled or laundered via a licensed operator wherever possible.

Avoid the spillage or runoff entering watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Discharge of small quantities to the sewer with plenty of water may be permitted.

The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) :

Proper Shipping Name (IMDG) :

Proper Shipping Name (IATA) :

14.3. Transport hazard class(es) / labels**ADR**

Transport hazard class(es) (ADR) :

IMDG

Transport hazard class(es) (IMDG) :

IATA

Transport hazard class(es) (IATA) :

14.4. Packing group

Packing group (ADR) :

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Packing group (IMDG) :
Packing group (IATA) :

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

- EMS
- Emergency Action Code
- Tunnel Restriction Code

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.1.2. National regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

For use by trained personnel only. Read the product label and follow instructions carefully. This product should only be used on the surfaces described on the product

Do not use or rinse this product in such a way as to generate excessive product mist, as this can cause unnecessary inhalation hazard.

When using this product, ensure that other unprotected personnel, or members of the public, are not exposed. Where necessary, unprotected persons should be excluded from any area where the product is being used.

All users should have access to, and be familiar with the contents of, this data sheet.

If this product is decanted into other containers, ensure that they are suitable, clean and correctly labelled.

Product spills may be very slippery - ensure that spillages are cleaned up immediately and that adequate warnings are given to other personnel. This product should NOT be used in the home.

SDS EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product