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Technical Data Sheet

Introduction

SC100 is a chemical cleaner for the removal of dirt and grime from sandstone, unpolished granite, brick and terracotta. It will remove iron stains from masonry and contains agents to prevent iron stain formation on the stone face. It is economical and fast acting, removing dirt and surface discolouration.



Technical Data Sheet

Product description

SC-100 is a green acidic liquor which contains less than 12% Hydrofluoric acid and surface active agents. When adequately diluted, as by the jetting off procedure the organic agents are all biodegradable. The product should only be used by competent stone cleaning contractors. It contains chemicals to prevent iron stain migration and conforms with BS8221 (The Code of Practice for the Cleaning of Stone and Masonry).



Technical Data Sheet

How to use the product

Large organic deposits should be removed either by a scraper or by power water jetting. The product should be applied on pre-wetted degreased surfaces. The prior use of a detergent is often essential to ensure quick and even cleaning performance. Adequate protection of glass and polished granite surfaces is essential. Establish the detailed method and contact times by means of a test patch. Apply the product by means of a fibre bristle brush working it into the masonry face and leaving a visible costing on the surface. The product may be used as supplied on granites and sandstones but should be diluted at least 50/50 with water before use on brick or terracotta. When diluting SC-100 ensure that the proportions are not varied, and that the container is well stirred. Work to distinct boundaries. Normal contact times would be extended up to 30minutes maximum. It is preferable to repeat short contact treatments instead of using longer contact times, also frequently better degreasing treatments prior to using SC-100 greatly improve results.



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General safety precautions

At any time when this product is being transported, or being used, persons handling or carrying the product should have available a 25 litre drum of clean water for use



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in emergencies and HYDROFLUORIC ACID ANTIDOTE GEL for immediate treatment of accidental splashes or burns. Containers should be stored in a safe place with caps secured, and a trained responsible person detailed for security in depots, in transit and on site. Spillages must be dealt with immediately. Only competent persons should handle the product.



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Materials to be avoided

Glass, polished granite, glazed aluminium, zinc, bronze, brass, copper and lead. RS250 is preferable for use with red sandstone. Some sandstones may become discoloured due to iron migrating onto the stone face where it associates with dirt and carbon deposits. SC-100 whilst removing the surface dirt will also remove this old, migrated iron colouration. The verification of any colouration changes should be observed during test trial work. A LONG CONTACT METHOD can be used. This product is NOT suitable for use on limestone, Portland Stone, Bath stone, marble, slate or calcited materials.



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Protection of operative

Chemical protective suits are needed along with PVC gauntlets, face shields, head cover and suitable footwear. A bucket of clean water for emergencies should be to hand. Nobody must be allowed to pass underneath or work under cleaning area. Spillages must be washed down immediately. At the end of the work period wash down all equipment (e.g. scaffolding and boards). A HYDROFLUORIC BURNS KIT should be at hand for the treatment of any acid burns. Only experienced operatives should handle this product (see HYDROFLUORIC ACID TREATMENT SHEET).



Technical Data Sheet

First aid advice

See HYDROFLUORIC ACID TREATMENT SHEET and Safety Data Sheet for this product.



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Ecology

When diluted the organic ingredients are bio-degradable. Effluent, if washed into soil will break down rapidly. If the product is advertently sprayed onto plants/vegetation it should be rinsed off. Rinsing with water will prevent further



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damage to vegetation. Plastic sheeting could be used to protect such plant life. Using the correct jetting technique maximum dilution of the chemical is achieved and no damage has been found to fish when such debris enters rivers and streams (yet, contractors are directed to advise the authorities before disposal and immediately in the event that an accidental disposal into a water course takes place).

Disposal of containers: When empty, containers should be filled with water and then emptied and disposed of in an approved manner.



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Operative Competency

On the general subject of competency, we further signpost enquirers to the Health & Safety Executive's website. Once on the website search on the keyword **competence**. At time of publication the HSE described *Competence* as:

"Competence can be described as **the combination of training, skills, experience and knowledge that a person has and their ability to apply them to perform a task safely**. Other factors, such as attitude and physical ability, can also affect someone's competence. As an employer, you should take account of the competence of relevant employees when you are conducting your risk assessment. This will help you decide what level of information, instruction, training, and supervision you need to provide."

Largely the UK construction industry uses a skills card scheme called Construction Skills Certification Scheme or CSCS. Those using this product would most likely show on the reverse side of their CSCS card the occupation: Façade Cleaner or if they do not hold a CSCS they are likely to hold an NVQ level 2 in Façade Preservation or a Level 3 NVQ in Heritage Façade Preservation. Supervisors may hold a Level 3 NVQ in Occupational Work Supervision Construction with an awarding body endorsement letter for Façade Preservation. Managers may hold a Level 6 NVQ in Construction Site Management Conservation.



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Safety Notes:

1. Always store containers in secure conditions.
2. Keep containers closed when not in use.
3. COSHH Data: Contains Hydrofluoric Acid (less than 12.5%) UN1790. Splashes to the skin may cause burns.
4. Physical data: Aqueous liquid
5. Solubility: Totally soluble in water
6. SG: 1.2058—1.2148
7. pH Value: Less than 1
8. Flammability: Non- Flammable
9. Fume Hazards: In confined spaces fumes may build up, TLV 8 hours (HF) 3ppm Hydrogen Fluoride.
10. Other dangers: If applying by spray use breathing protection equipment. Not to be mixed with algae remover as dangerous fumes will be created.
11. Handling precautions: Full body, hands, feet and face protection must be worn. A container of clean water, for emergency use, should be on hand. Operatives must have HYDROGEN FLOURIDE BURN ANTIDOTE GEL on hand.
12. NEVER leave containers full or empty where the public may come into contact with them.
13. ALWAYS fill containers with water before disposing of them.

Important Notice:

The statements above are compiled from our field of production and according to the latest technological developments and application techniques received by us. Since application and working are beyond our control, no liability of the producer (or its agents) can be derived from contents of the information sheet or additional correspondence. All statements made in addition to this sheet must be confirmed in writing by the producer (or its agents). In all cases our general conditions of sale are valid. This data sheet was published 10/10/2005 and supersedes any previous edition.



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Safety Data Sheet according to 1907/2006/EC Article 31

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



1.1. Product Identifier

Product name:

SC 100

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

Description:

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU19] Building and construction work; [PC0] Other; [PROC11] Non industrial spraying; [ERC8b] Wide dispersive indoor use of reactive substances in open systems [ERC8e] Wide dispersive outdoor use of reactive substances in open systems;

Acidic Cleaning Solution.

1.3. Details of the supplier of the safety data sheet:

Company:

IntaChem® Solution Technology
a trading name of
Priestman Associates LLP

Address:

1 Irwin Drive, Nottingham, UK NG6 7BJ

Website:

www.intachem-solutions.com

Telephone:

0115 975 1880

Email:

info@intachem-solutions.com

Email of a competent person:

david@priestmanweb.com

1.4. Emergency

telephone number:

07943 641586 (Mon-Fri 9am-5pm)

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Section 2: Hazard Identification



2.1. Classification of the substance or mixture



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Classification under CHIP:

T+: R26/27/28; C: R35

Classification under CLP:

Acute Tox. 2: H300;
 Acute Tox. 1: H310;
 Skin Corr. 1A: H314;
 Acute Tox. 2: H330;

2.2. Label elements

Label elements under CLP (1272/2008):

Hazard statements:	H300: Fatal if swallowed H310: Fatal in contact with skin H330: Fatal if inhaled H314: Causes severe skin burns and eye damage	
Signal words:	Danger	
Hazard pictogram:	GHS06: Toxic GHS05: Corrosion	
Precautionary statements:	P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash hands thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P284 Wear respiratory protection. P301 + P303 + P305 + P310 IF SWALLOWED, IF ON SKIN (or hair), IF IN EYES: Immediately call a POISON CENTER or doctor/physician. P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing	





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P403+233: Store in a well-ventilated place. Keep container tightly closed P234: Keep only in original container. P390: Absorb spillage to prevent material damage P501: Dispose of contents/container to hazardous waste	
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Label elements under CHIP (1999/45/EC):

Hazard symbols:	[see end column] T+: Very Toxic / C: Corrosive.	 
Risk phrases:	R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed R35: Causes severe burns	
Safety phrases:	S53: Avoid exposure - obtain special instructions before use S36: Wear suitable protective clothing S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible) S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label S28: After contact with skin, wash immediately with plenty of water S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S23: Do not breathe gas/fumes/vapour/spray S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest S3/9/49: Keep only in the original container in a cool, well-ventilated place S60: This material and its container must be disposed of as hazardous waste	

2.3. Other hazards:	
PBT:	This product is not identified as a PBT substance.



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Section 3: Composition information on ingredients



3.2. Mixtures EC 1272/2008

Chemical name	CAS No.	EC No.	REACH Reg. No.	Conc. (%w/w)	Classification
Hydrofluoric Acid	7664-39-3			5 – 15 %	T+: R26/27/28; C: R35 Acute. Tox, 1: H310; Acute. Tox, 2: H300; Acute. Tox, 2: H330; Skin Corr. 1A: H314
Phosphoric Acid	7664-38-2			15 – 30 %	C: R34 Skin Corr. 1B: H314
Nonionic Surfactant	68439-46-3			1 – 5 %	Xn: R22; Xi: R41 Eye Dam. 1, H318; Acute Tox. 4, H302

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Section 4: First Aid Measures



General advice.

Consult a physician. Show this safety data sheet to the doctor in attendance. Hydrofluoric (HF) acid burns require immediate and specialized first aid and medical treatment. Symptoms may be delayed up to 24 hours depending on the concentration of HF. After decontamination with water, further damage can occur due to penetration/absorption of the fluoride ion. Treatment should be directed toward binding the fluoride ion as well as the effects of exposure. Skin exposures can be treated with a 2.5% calcium gluconate gel repeated until burning ceases. More serious skin exposures may require subcutaneous calcium gluconate except for digital areas unless the physician is experienced in this technique, due to the potential for tissue injury from increased pressure. Absorption can readily occur through the subungual areas and should be considered when undergoing decontamination. Prevention of absorption of the fluoride ion in cases of ingestion can be obtained by giving milk, chewable calcium carbonate tablets or Milk of Magnesia to conscious victims. Conditions such as hypocalcemia, hypomagnesemia and cardiac arrhythmias should be monitored for since they can occur after exposure.



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4.1. Description of first aid measures

Inhalation:	Move the exposed person to fresh air. If not breathing, give artificial respiration.
Eye contact:	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact:	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion:	DO NOT INDUCE VOMITING. Rinse mouth with water.

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

Inhalation:	Risk of producing lung oedema.
Eye contact:	Causes severe burns to eyes. The eyes may water profusely. There may be severe pain. The vision may become blurred. There may be permanent damage.
Skin contact:	Painful burns (effects may not be immediate).
Ingestion:	Corrosive to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation:	Seek immediate medical attention. (show the label where possible).
Eye contact:	Seek immediate medical attention. (show the label where possible).
Skin contact:	Seek immediate medical attention. (show the label where possible).
Ingestion:	Seek immediate medical attention. (show the label where possible).

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Section 5: Firefighting Measures



5.1. Extinguishing media:	Use extinguishing media appropriate to the surrounding fire conditions.
5.2. Special hazards arising from substance or mixture:	Burning produces irritating, toxic and obnoxious fumes.
5.3. Advice for fire fighters:	Wear self-contained breathing apparatus and protective clothing.
5.4 Further information	Avoid using strong water jets.



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Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment, and emergency procedures:	Avoid contact with the eyes and skin. Wear suitable protective equipment. Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
6.2. Environmental precautions:	Prevent further spillage if safe. Do not allow product to enter drains or any water course. Advise local authorities if large spills cannot be contained.
6.3. Methods and material for containment and cleaning up:	Absorb with inert, absorbent material and dispose of as hazardous waste. Transfer to suitable, labelled containers for disposal.
6.4. Reference to other sections:	See section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION for further information. See section 13. DISPOSAL CONSIDERATIONS for further information.

Safety Data Sheet according to 1907/2006/EC Article 31



Section 7: Handling and Storage

7.1. Precautions for safe handling:	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
7.2. Conditions for safe storage, including any incompatibilities:	Keep containers tightly closed. Keep in a cool, dry, well-ventilated area. Store in correctly labelled containers.
7.3. Specific end use(s):	See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.

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Section 8: Exposure Controls/Personal Protection

8.1. Control parameters:	<table border="1"> <thead> <tr> <th><u>Components</u></th> <th><u>CAS-No.</u></th> <th><u>8 hourTWA</u></th> <th><u>15 min. STEL</u></th> <th><u>Basis</u></th> </tr> </thead> <tbody> <tr> <td>Hydrofluoric Acid</td> <td>7664-39-3</td> <td>1.5 mg/m³</td> <td>2.5 mg/m³</td> <td>UK EH40 WEL</td> </tr> <tr> <td>Phosphoric Acid</td> <td>7664-38-2</td> <td>1 mg/m³</td> <td>2 mg/m³</td> <td>UK EH40 WEL</td> </tr> </tbody> </table>	<u>Components</u>	<u>CAS-No.</u>	<u>8 hourTWA</u>	<u>15 min. STEL</u>	<u>Basis</u>	Hydrofluoric Acid	7664-39-3	1.5 mg/m ³	2.5 mg/m ³	UK EH40 WEL	Phosphoric Acid	7664-38-2	1 mg/m ³	2 mg/m ³	UK EH40 WEL
<u>Components</u>	<u>CAS-No.</u>	<u>8 hourTWA</u>	<u>15 min. STEL</u>	<u>Basis</u>												
Hydrofluoric Acid	7664-39-3	1.5 mg/m ³	2.5 mg/m ³	UK EH40 WEL												
Phosphoric Acid	7664-38-2	1 mg/m ³	2 mg/m ³	UK EH40 WEL												
8.2. Exposure	Appropriate engineering controls															



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control

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product

Respiratory protection

Do not breathe dust/fume/gas/mist/vapour/spray.
Wear suitable respiratory equipment when necessary.

Hand protection

Chemical resistant gloves.
Material: Chloroprene.
Minimum layer thickness: 0.6 mm
Break through time: > 480 min

Eye protection

Tightly fitting safety goggles. Avoid contact with eyes.

Protective equipment

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Avoid contact with eyes and skin.
Immediately remove all soiled and contaminated clothing.
Wash all contaminated clothing before reuse.

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Section 9: Physical and Chemical Properties



9.1.0. Information on basic physical and chemical properties

Appearance:	Liquid	Explosion limits:	Not determined.
Colour:	Green	Vapor pressure:	Not determined.
Odor:	Acidic	Density at 20 °C	1.200 g/cm ³
Odor threshold:	Not determined.	Relative density:	Not determined.
pH-value at 20 °C	< 1.0	Vapor density:	Not determined.
Melting point:	Not determined.	Evaporation rate:	Not determined.
Boiling point:	Not determined.	Solubility in / Miscibility:	Soluble.
Flash point:	Not determined.	Oxidizing properties:	Not determined.
Flammability (solid, gaseous):	Not applicable.	Partition coefficient (n-octanol/water):	Not determined.
Auto-ignition temperature:	Not determined.		



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Decomposition temperature:	Not determined.		
Self-igniting:	Not determined.	Dynamic at 20 °C	Not determined.
Danger of explosion:	Product does not present an explosion hazard.	Kinematic:	Not determined.

9.2. Other information

Conductivity:

No data available

Surface tension:

No data available

Gas group:

No data available

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Section 10: Stability and Reactivity



10.1 Reactivity:	Not determined.
10.2 Chemical stability:	Stable under normal conditions. Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions:	Reacts with metal to form Hydrogen.
10.4 Conditions to avoid:	Heat. Flames. Sources of ignition. Direct sunlight.
10.5 Incompatible material:	Strong bases. Strong oxidizing agents.
10.6 Hazardous decomposition products:	In combustion emits toxic fumes.

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Section 11: Toxicological Information



11.1 Information on toxicological effects	
11.2 Skin corrosion/irritation:	Painful burns (effects may not be immediate).
11.3 Serious eye damage/irritation:	Causes severe burns to eyes. The eyes may water profusely. There may be severe pain. The vision may become blurred. There may be permanent damage.



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11.4 Acute toxicity:

Fatal if swallowed. Fatal in contact with skin, Fatal if inhaled. Causes severe skin burns and eye damage. I

- **Ingestion:** Corrosive to mucous membranes.
- **Inhalation:** Risk of producing lung oedema.
- **Delayed / immediate effects:** Fluoride ion can reduce serum calcium levels possibly causing fatal hypocalcemia., Material can cause severe burns and blistering which may not be immediately painful or visible. The full extent of tissue damage may not exhibit itself for 12-24 hours after exposure., Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., necrosis of the skin.

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Section 12: Ecological Information



12.1 Toxicity:	Not determined.
12.2 Persistence and degradability:	Biodegradable
12.3 Bio accumulative potential:	Degraded. Will disperse as ions.
Partition coefficient:	
12.4 Mobility in soil:	Soluble, will disperse and degrade.
12.5 Results of PBT and yPyB assessment:	Not applicable.
12.6 Other adverse effects:	Not expected to be persistent in the environment

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Section 13: Disposal Considerations



13.1 Waste treatment methods:	Do not allow product to enter drains. Transfer to a suitable container and arrange for collection by specialised disposal company. Uncleaned packaging: Recommendation: Arrange for collection by specialised disposal company. Disposal must be made according to official regulations.
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Section 14: Transport Information



14.1 UN number:	UN 2922
14.2 UN proper shipping name:	CORROSIVE LIQUID, TOXIC, N.O.S. (Hydrofluoric Acid, Phosphoric Acid)
14.3 Transport hazard class(es)	<div style="display: flex; justify-content: center; align-items: center;">   </div> <p>8 (6.1)</p>
14.4 Packing group:	II
14.5 Environmental hazards Marine pollutant:	No No
14.6 Special precautions for user:	Tunnel code: E Transport category: 2
14.7 Transport in bulk according to Annex II of MARPOOL 73/78 and the IBC Code:	

Safety Data Sheet according to 1907/2006/EC Article 31

Section 15: Regulatory Information



15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:	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), establishing a European Chemicals Agency, Amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC,



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15.2 Chemical safety assessment:

93/67/EEC, 93/105/EC and 2000/21/EC.

No data is available on this product.

Safety Data Sheet according to 1907/2006/EC Article 31

Section 16: Other Information



Other information Revision:

This document differs from the previous version in the following areas:

- 1 - Description.
- 1 - Product Use.
- 2 - 2.1. Classification of the substance or mixture.
- 2 - 2.1.2. Classification - EC 1272/2008.
- 2 - Hazard pictograms.
- 2 - Signal Word.
- 12 - 12.1. Toxicity.
- 15 - Labelling.
- 15 - Risk phrases.
- 15 - Safety phrases.

Text of risk phrases in Section 3:

R22: Harmful if swallowed
R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed
R34: Causes burns.
R35: Causes severe burns
R41: Risk of serious damage to eyes

Text of hazard statements in Section 3: *Full text of classifications [DSD/DPD]*

H290: May be corrosive to metals
H300: Fatal if swallowed
H302: Harmful if swallowed
H310: Fatal in contact with skin
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage
H330: Fatal if inhaled

Further information:

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any other process.

END



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SAFETY TREATMENT SHEET FOR HYDROFLUORIC ACID BURNS



Skin Burns

SAFETY TREATMENT SHEET FOR HYDROFLUORIC ACID BURNS

Skin Burns - First Aid

- 1.1 Immediately wash the burnt area with copious amounts of water for at least 1 minute.
- 1.2 Apply CALCIUM GLUCONATE GEL on and around the burn and massage it in using clean hands (in the event this gel is not immediately available, continuing rinsing with water until it is applied).
- 1.3 Continue to massage in the gel, using repeated applications until 15 minutes after the pain in the burn has subsided, or until medical treatment is available.

SAFETY TREATMENT SHEET FOR HYDROFLUORIC ACID BURNS

Skin Burns – Medical Treatment

- 2.1 Continue inunction with repeated applications of the calcium gluconate gel until 15 minutes after the pain has completely subsided. This may require several hours but so long as improvement in the lesion and symptoms is occurring, massaging with the gel should be continued.
In cases where a thick necrotic coagulum has formed, it may act as a barrier and prevent the penetration of the gel. This will be indicated by lack of



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improvement. In these cases, the necrotic tissue should be exercised and the gel massaged into the base of the burn taking the usual aseptic precautions.

2.2 If the burn fails to respond to the calcium gluconate gel, injection of a sterile 10% solution of calcium gluconate (sandoz) into and under the burn should be considered. Relief of the pain is an indication that sufficient solution has been injected. Because of this, an anaesthetic should not be given except in the situation where the skin is tightly adherent to the underlying tissues for instance, the finger pads or in subungual finger and toe burns when slitting or removal of the affected nails may be required. In these cases, a general anaesthetic should be given as local anaesthetic is contra-indicated.

2.3 Subsequent magnesium oxide paste dressings are not indicated but if dressings appear to be required, use the gel for 24 hours.

2.4 After the gel or injection treatment has relieved the pain, it may recur later, especially in the case of burns from diluted acid. The patient should be advised to return for further treatment if the pain recurs.

2.5 Treat symptomatically.

SAFETY TREATMENT SHEET FOR HYDROFLUORIC ACID BURNS Skin Burns - General

3.1 In large area skin burns, systematic administration of calcium and/or magnesium may be necessary. Six effervescent calcium tablets (sandocal tablets; Sandoz each containing 400mg calcium and 20mg ascorbic acid) should be given in water by mouth every two hours until admitted to hospital. The hospital should be reminded that serum calcium and/or magnesium may have to be replaced intravenously if indicated either by clinical signs e.g. carpopedal spasm, or by electro-lyte monitoring (which should be done frequently) and if calcium gluconate is to be given intravenously it should be administered slowly.



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Eye Splashes

SAFETY TREATMENT SHEET FOR HYDROFLUORIC ACID BURNS

Eye Splashes – First Aid

- 1.1 Irrigate with isotonic saline or water for at least 10 minutes.
- 1.2 Obtain medical treatment.

SAFETY TREATMENT SHEET FOR HYDROFLUORIC ACID BURNS

Eye Splashes – Medical Treatment

- 2.1 Continue irrigation with isotonic saline or water, until the severe pain of the burn is relieved.
- 2.2 Instil several drops of sterile calcium gluconate 10% solution (sandoz)
- 2.3 Treat symptomatically.



Spillages and disposal

SAFETY TREATMENT SHEET FOR HYDROFLUORIC ACID BURNS

Spillages:

Dilute with plenty of water or cover with soil/sand and dispose of the debris in an approved manner.

SAFETY TREATMENT SHEET FOR HYDROFLUORIC ACID BURNS

Disposal:

Ensure adequate dilution before discharge to drains.



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