

MATERIAL SAFETY DATA SHEET

MSDS No: 024
ISSUE No: 5

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IMPORTANT

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

1. IDENTIFICATION.

Product Name : Etch Gel.
Company Name : Advanced Healthcare Limited.
Company Address : Dukes Factory, Chiddingstone Causeway, Tonbridge, Kent TN11 8JU, England.
Company Phone No. : 01892 870500.

2. COMPOSITION/INFORMATION ON PREPARATION.

Compositions given are typical values, not specifications.

<u>Components Name</u>	<u>% Weight</u>	<u>Cas No.</u>	<u>EINECS No.</u>
Phosphoric Acid	<38%	7664-38-2	231-633-2
Deionised Water	<56%		
Silica (Amorphous)	<6%	7631-86-9	231-545-4
Triton X-100	<2%	9036-19-5	
Xanthan Gum	<1%	11138-66-2	
Colour Concentrate	<2%		

3. HAZARDS IDENTIFICATION.

Risk Phrases : Corrosive.
R34, Causes Burns.

4. FIRST AID MEASURES.

Inhalation : Remove to fresh air. If irritation persists, seek medical attention.
Skin Contact : Wash with soap and water immediately. If irritation persists, seek medical attention.
Eye Contact : Flush with copious amounts of water immediately. Seek medical attention.
Ingestion : Rinse mouth with water. Do not induce vomiting. Drink plenty of water. If patient feels unwell, seek medical attention.
Emergency Medical Treatment :

5. FIRE FIGHTING MEASURES.

Use extinguisher suitable to cause of fire and its surroundings.

Special equipment for fire fighting: Self contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES.

Transfer bulk into suitable containers for disposal. Wipe residue with damp and thoroughly rinse to drain.

7. HANDLING AND STORAGE.

Handling : Avoid contact with skin and eyes. No handling problems are likely to be encountered provided normal safe practices of hygiene are applied.
Storage : Store at 18°C - 30°C.
Storage Media : 316 stainless steel, rubber lined mild steel, some plastics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Occupational Exposure Limits : N/A.

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Personal Protection	:	
- Respiratory Protection	:	N/A
- Skin Protection	:	Overalls, rubber gloves.
- Eye Protection	:	Goggles/eyeshields.
Industrial Hygiene	:	Wash hands thoroughly after contact with this product.
Others	:	

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical State at 25°C	:	Gel.
Colour	:	Green / Blue.
Odour	:	Odourless.
Freezing Point (°C)	:	
Initial Boiling Point (°C)	:	
Density at 25°C (kg/m ³)	:	
Vapour Pressure (mm Hg) at 25°C	:	
Relative Vapour Density (air=1)	:	
Viscosity at 25°C (mPas)	:	
Solubility in Water (% weight)	:	Miscible.
Flash Point (°C)	:	N/A.
Auto Ignition Temperature (°C)	:	N/A.
Flammability Limits in Air	:	
- Lower (%vol)	:	N/A.
- Upper (%vol)	:	N/A.

10. STABILITY AND REACTIVITY.

Stable.
Avoid bases (reacts vigorously with evolution of heat). Avoid metals (liberates flammable hydrogen gas).

11. TOXICOLOGICAL INFORMATION.

Due to acid nature this product will cause burns to exposed tissue.

12. ECOLOGICAL INFORMATION.

High concentrations in receiving waters will damage aquatic life. Low concentrations may act as plant nutrient or participate heavy metals.

13. DISPOSAL CONSIDERATIONS.

In accordance with local authorities.

14. TRANSPORTATION INFORMATION.

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UN1805 Class 8 Packing Group III

15. REGULATORY INFORMATION.

Supply Label Details	:	Ref. Chip 99.
Label Name	:	Etch Gel, contains Phosphoric Acid.
Symbols	:	Corrosive.
Risk Phrases	:	34. Causes Burns
Safety Phrases	:	26-45. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek advice immediately (show label where possible).

The information in this MSDS does not constitute an assessment of workplace risks.

16. OTHER INFORMATION.

Handling of product exclusively by dental specialists according to instructions for use.

REVISED DATE: 15/01/08

ISSUE No: 5

SUPERSEDES ISSUE: 4

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission Directive 91/155/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Emergency Phone No: 01892 870500