

MATERIAL SAFETY DATA SHEET

1. Name of product and company:

Product name: DEHP Etch Gel

Supplier: DE Healthcare Products
Gillingham ME8 OSB U.K.
Denver, PA 17512 USA

Emergency Telephone Number: Chemtrec US 800 424 9300 International: 001 703-527-3887
Telephone Number **UK 01634 878750**

Date of Issue: June 16, 2003

2. Composition/Information on Ingredients:

- A. Substances which give the product its health-risk properties, if any.
Phosphoric Acid

3. Hazardous properties:

Physical/Chemical Hazards: Incompatibility with strong bases and active metals.
Human health Hazards: Repeated contact with skin may lead to burns and rashes.
Acute hazard: Slightly toxic when inhaled or ingested.
Chronic hazard: Slightly toxic when repeated inhalation or ingestion.
Environmental Hazards: Not determined

4. First aid measures:

Effects and Symptoms:

Inhalation: Severe irritant
Skin contact: Mild to severe irritant
Eye contact: Mild to severe irritant
Ingestion: Slightly toxic

First Aid Measures:

Inhalation: Remove person to fresh air
Skin contact: Wash with soap and water for at least 15 minutes.
Eye contact: Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
Ingestion: Do not induce vomiting. Wash out mouth with water, keep at rest.

5. Fire fighting measures:

Extinguishing Media

Extinguishing Media: Material is not flammable.
Special fire-fighting procedures: None required
Unusual fire/explosion hazards: None reported
Hazardous thermal (de)composition products: Emits toxic fumes of oxides of phosphorus.
Protection of fire-fighters: Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand

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breathing apparatus.	
6. Accidental release measures:	
Personal precautions:	Gloves and eye protection suggested.
Environmental Precautions and Clean-up Methods:	Cover with sodium carbonate and calcium hydroxide. Collect material. Place in an approved metal container.
7. Handling and storage:	
Handling:	
Technical Precautions:	To be handled by qualified dental professionals.
Precautions:	Follow the instructions for use.
Storage:	Store at or below room temperature. Keep container dry. Keep container in well-ventilated area.
8. Exposure control/personal protection:	
Personal Protective Equipment	
Respiratory system:	Respiratory protection is recommended when using large amounts.
Skin and body:	Lab Coat
Hands:	Gloves
Eyes:	Safety glasses or splash goggles
9. Physical and chemical properties:	
Physical state and Appearance:	Viscous Gel
Odor:	No obvious odor
Boiling Point:	No Data
Melting Point:	No Data
Specific Gravity:	1.3
Solubility:	Soluble
Flash Point:	Non-Flammable
Flammability:	No Data
Autoignition temperature:	No Data
Explosion Properties:	Material may burn if exposed to flame
10. Stability and reactivity:	
Stability:	This material is stable
Conditions to avoid / Materials to Avoid:	Avoid dehydration by keeping container closed. Reactive metals and bases are materials to be avoided.
Hazardous Reactions:	None reported
Hazardous Decomposition Products:	At flame temperatures, material will emit toxic phosphorus oxide fumes.

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11. Toxicological information:

Acute oral toxicity:	LD ₅₀ = 1530 mg/kg (for 85% phosphoric acid)
Skin Irritation:	Irritation to skin can occur.
Eye Irritation:	Irritation to the eyes can occur.

12. Ecological information:

May cause adverse environmental impact if material reaches waterways.

13. Waste disposal:

Methods of disposal; Waste of residues; Contaminated Packaging:	Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.
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14. Transport information: UN1805

Additional information: Corrosive material.

15. Regulatory information:

Symbols of Danger: Corrosive

R-Phrase:

R 34: Causes burns
R 22: Harmful if swallowed

S-Phrase:

S 36, S 39: Wear suitable protective clothing and eye/face protection.
S 24, S 25: Avoid contact with skin or eyes.
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28: After contact with skin, wash immediately with plenty of soap and water.
S 46: If swallowed, seek medical advice immediately and show the container or label.

16. Other information:

Notice to Reader

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