

MATERIAL SAFETY DATA SHEET

This safety data sheet has been prepared in accordance with the requirements of EC Directive 91/155/EEG (and other related directives) and provides information relating to the safe handling and use of the product.

1. PRODUCT AND COMPANY IDENTIFICATION

Product code: SM-003
Trade name: **Smart-Bond etching gel**
Manufacturer/supplier: Gestenco International AB
P.O. Box 24067
S-400 22 Gothenburg
Sweden
Emergency phone number: +46 31 81 00 35
Fax number: +46 31 81 46 55
E-mail: info@gestenco.com

2. COMPOSITION/INFORMATION ON THE COMPONENTS

| Component | Conc.(%) | CAS-no. | R-phrases | S-phrases | Classification |
|---|------------|-----------|-----------|-----------|----------------|
| Phosphoric Acid | approx. 35 | 7664-38-2 | R34 | S26-45 | C |
| Water | | | | | |
| Alcohol | | | | | |
| Silica | | | | | |
| Polyglycol | | | | | |
| Misc. additives (food grade dye, preservatives) | | | | | |

3. HAZARD IDENTIFICATION

Health hazards (acute & chronic): skin irritation or severe burns if prolonged exposure is allowed, possible damage to eyes.

Carcinogenicity: no ingredient listed as carcinogen.

Signs & symptoms of overexposure: skin, eyes and mucous membranes irritation on contact.

Medical conditions generally aggravated by overexposure: pre-existing skin disorders or eye problems.

4. FIRST AID MEASURES

Eye contact

Immediately rinse with copious amounts of water. Seek medical attention as soon as possible.

Skin contact

Rinse with water. Prolonged contact may destroy tissue. Seek medical attention in case of serious irritation or burns.

4. FIRST AID MEASURES (continued)

Ingestion

Corrosive to mouth and throat. Serve milk if available or solution of sodium bicarbonate.

Inhalation

May cause burns of mucous membranes and in severe cases tissue damage. Medical attention is necessary if manifestation like coughing, chest pain and breathing difficulties occur.

5. FIRE FIGHTING MEASURES

Non flammable product. Water contact acceptable if involved in fire from other sources. Can react with metals to liberate hydrogen gas which is flammable.

6. ACCIDENTAL RELEASE MEASURES

Wear impervious clothing and goggles. Dispose of spilled product in accordance with local, state and federal regulations, after neutralizing with soda ash or lime. For small spills, dilute with large amounts of water and dispose in approved waste containers.

7. HANDLING AND STORAGE

Store in polyethylene, polypropylene or similar acid-resistant containers. Glass is permissible for small quantities. Avoid exposure to heat. Avoid proximity of reactive metals and alkaline substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid contact with skin and eyes. Wear protective gloves, aprons, suits and goggles when handling large quantities, or if splashing or spills may occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|---------------------|
| Physical state: | Gel |
| Colour: | Light green |
| Odour: | Virtually odourless |
| Boiling point (C): | Approx. 100 |
| Vapour density vs air: | Lighter |
| Liquid density vs water: | Heavier |

10. STABILITY AND REACTIVITY

Generally stable. Avoid contact with alkaline materials, reactive metals. Incompatible with reactive metals, alkaline substances. Phosphoric acid vapours and phosphoric oxides may occur if exposed to extreme heat.

11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations, after neutralizing with soda ash or lime. For small spills, dilute with large amounts of water and dispose in approved waste containers.

14. TRANSPORT INFORMATION

UN number: UN-1805 (applicable to shipment of more than 100 units)

PG:3, Class 8

Hazardous

Corrosive

15. REGULATORY INFORMATION

Contains: Phosphoric Acid

R-phrases

R34 Causes burns

S-phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Voluntary labeling: Caution: Contains Phosphoric Acid

16. OTHER INFORMATION

Further information may be obtained from:

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S-400 22 Gothenburg

Sweden

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The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date.

Gestenco does not accept any liability arising out of the information provided here or the use, application or processing of the product(s) described herein. Attention of users is drawn to the possible hazards from improper use of the product(s).

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