

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Commercial name: G-ETCH (JUMBO KIT & MINI KIT)
Product references: J-ET-B, J-ET-V, RE-J-ET-B, RE-J-V, M-ET-B, M-ET-V, ET-24
Relevant use of mixture: Etching gel 38 % phosphoric acid

Information concerning safety data sheet supplier:

G-PHARMA
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95612 CERGY PONTOISE cedex France

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SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the mixture

The mixture meets the criteria for classification of Regulation 1272/2008 / EC amending Directives 67/548 / EEC and 1999/ 45 / EC and regulation 1907/2006 / EC (CLP). The mixture requires security sheet according to the requested requirements.

2.1.1 Classification according to regulation (EC) N° 1272/2008 (CLP):

Eyes irrit. 2 : **H319**; STOT SE 3: **H335**; Skin irrit. 2: **H315**; Skin corr. 1B: **H314**

2.1.2 Classification according to the directive N° 67/548/CEE:

Xi: R36, R37, R38, C : **R34**

2.1.3 Additional Informations

The full text of the classes and categories of danger: hazards H and R phrases are mentioned in Section 16.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 (CLP) and its exemptions from Article 17 (relating to labeling and packaging requirements) provided for products with a capacity of less than 125 ml (Annex I of Regulations section 1.5.2.1)

Pictogram (s)

SGH05



Signal word

Danger

H statement

H314: Causes severe skin burns and eye damage.

P statements

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

Additional hazards information: N/A

2.3 Other hazards: the mixtures do not contain PBT or vPvP

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Products

EEC classification : Class IIa

3.2 Mixture of substances listed below

Index CE/CAS	Nom chimique	% masse	Classification selon la directive N° 67/548/CEE (DPD)	Classification selon le règlement (CE) N° 1272/2008 (CLP)	Valeur seuil générique
Index : N/A CAS : 7664-38-2	Phosphoric acid	35-40	Irritat, Xi, eyes, resp. and skin : R36/37/38 C, skin corr.: R34	STOT SE 3: H335 Irrit oc. 2: H319 Irrit. Cut. 2: H315 C, skin cor.1B: H314	≥ 1 % ≥ 1 %

Note: The full text of hazard H and R-phrases is specified in section 16.

SECTION 4 - FIRST AID MEASURES

4.1 Description of 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 advice in case of severe damage (burning or pain).

Ingestion: Corrosive to mouth and throat. Serve milk if available or solution of sodium bicarbonate. Seek for medical advice.

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.

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

Diseases generally aggravated by exposure to this product: skin lesions or pre-existing eye problems.

Inhalation : may cause mucosal burns in severe cases, deep tissue damage.

Ingestion: corrosive to the mouth and throat. Potentially irritating to the stomach in the presence of a large quantity of product. Can lead to digestive disorders, heartburn.

Skin contact: Possibility of skin irritation or severe burns on prolonged contact.

Eye contact: possibility of serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed: see section 4.1

SECTION 5 - FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media: Non- flammable. Contact with water is acceptable if it is used for extinguishing a fire near the product.

5.2 Special hazards arising from the substance or mixture: The product can react with alkaline materials, metals and produce hydrogen evolution which is highly flammable. **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wash hands with water in case of accidental contact with skin.

6.2 Environmental precautions:

For large quantities, dispose of the spilled along national, federal, regional, or local force, after neutralization with alkaline water. For small quantities, dilute heavily with water and place into disposal containers approved.

6.3 Methods and material for containment and cleaning up:

Wear protective glasses and impervious clothing and goggles.

Wash the contaminated area with soap and water.

6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. This product is for dental professionals only. Wash hands with soap and water if contact occurs

7.2 Conditions for safe storage, including any incompatibilities

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MSDS

Avoid exposure to temperatures above 24 ° C. Preferably store the product in a cool, dry, protected from light and moisture. Do not store the product near a heat source or flame near reactive metals or alkaline substances. Keep tightly closed containers. Containers should be preferably polyethylene or polypropylene.

7.3 Specific end use(s): Dental professional use only.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Respiratory protection: Not required in normal conditions of use.

Personal protective equipment: Glasses, masks, gloves and gowns.

Protection of hands: Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

General protective and hygienic measures:

Usual hygienic measures for dental practice. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Keep away from foodstuffs, beverages and feed. Wash with soap and water in case on contact.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: green or blue light gel

Odour: no

Melting point: N/A

Boiling point: appr. 100 ° C

Autoignition point : N / A

Vapor Pressure (mm Hg): negligible

Flash Point: N / A at room temperature.

Solubility in water: yes, dilution

Density in the air: lighter than air

Density in water: heavier Decomposition

Explosion limits in air: N / A

PH: <4

Decomposition temperature: N / A

Volatility(%): 65% by weight

SECTION 10 – STABILITY & REACTIVITY

10.1 Reactivity: Flash point: N/A Stable under normal condition of storage and use.

10.2 Chemical stability: Stable under normal condition of storage and use.

10.3 Possibility of hazardous reactions: No dangerous reactions known

10.4 Conditions to avoid: Contact with alkaline or reactive metals.

10.5 Incompatible materials: forming free radicals, for example peroxides, reduced substances and/or heavy metal ions.

10.6 Hazardous decomposition products: Phosphoric acid vapors and phosphoric oxides, if exposed to extreme heat.

10.7 uncontrolled polymerization: N/A.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: See Section 4.

Chronical toxicity: See Section 4.

Signes and symptoms of exposure: See Section 4.

11.2 Other Information: N/A

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

No ecological toxicity or impact on the environment have been identified for this product in the quantities present in the normal packaging. **Aquatic toxicity:** N/A

12.2 Persistence and degradability: N/A

12.3 Bioaccumulative potential: N/A

12.4 Mobility in soil: N/A

12.5 Results of PBT and vPvB assessment: N/A

12.6 Other adverse effects: N/A

SECTION 13 - DISPOSAL MEASURES

13.1 Waste treatment methods

For large quantities, remove spilled along national, federal, regional or local regulations. For small quantities, dilute heavily with water and place into disposal containers approved. Dispose of the container in the same way as the product itself.

13.2 Uncleaned packaging: Disposal must be in accordance to all federal, national and local regulations

SECTION 14 - TRANSPORT INFORMATION

These transport information are cited according to the rules of international transport. No restrictions for road, sea or air. Avoid high temperatures during transport.

UN-Number

ADR, ADN, IMDG, IATA : Void

UN proper shipping name

ADR, ADN, IMDG, IATA: Void

Transport hazard class(es)

ADR, ADN, IMDG, IAT

Class:

Void

Packing group

ADR, IMDG, IATA:

Void

Environmental hazards:

Marine pollutant:

No

Special precautions for user:

N/A

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: N/A

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: Class IIa medical device according to the Directive 93/42 / EEC

15.2 Chemical safety assessment: N/A

SECTION 16 - OTHER INFORMATION

N/A : Non applicable

Symbol of potential danger

Xi: irritating

C: Corrosive

STOT SE 3: Specific target organ toxicity - single exposure hazard category 3

R phrases S phrases

R 36: Irritating to eyes. S26/28: Very toxic by inhalation. Very toxic if swallowed

R 37: Irritating to respiratory system.

R 38: Irritating to skin.

R 34: Causes burns.

H phrases

H315, cat. 2 : Causes skin irritation.

H319: Causes serious eye irritation.

H335, STOT, SE 3: Specific target organ toxicity - single exposure hazard category 3. May cause respiratory irritation.

H314: Causes severe skin burns and eye damage.

P phrases

P280: Wear protective gloves/protective clothing/eye protection/face protection

P301: IF SWALLOWED

P330: Rinse mouth.

P331: Do NOT induce vomiting

P305: IF IN EYES

P351: Rinse cautiously with water for several minutes.

P338: Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, G PHARMA 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. If the product is used as a component in another product or used in a way other than recommended by the Company, this MSDS information may not be applicable.