

## SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Identification of the substance or preparation:

Name: SILVERLESS.

Product code: 246MF.

#### Company/undertaking identification:

Registered company name: SEPTODONT.

Address: 58 rue du Pont de Creteil.94100.Saint Maur des Fosses.France.

Telephone: +33(0)149767000. Fax:+33(0)148855401. Telex:.

msds@septodont.com

http://www.septodont.com

#### Emergency telephone: +33(0)1.45.42.59.59.

Association/Organisation: ORFILA .

### 2 - HAZARDS IDENTIFICATION

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

Possibility of corrosive effects.

Possibility of category three carcinogenic effects.

Possibility of category three toxic effects on reproduction.

Possibility of noxious effects with symptoms of slight poisoning by swallowing.

Possible risk of harm to the unborn child.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Other data:

Packaging < 125 ml.

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

#### Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

| INDEX    | CAS     | EC | Name        | Symb. | R: | %               |
|----------|---------|----|-------------|-------|----|-----------------|
| 10808413 | 64-18-6 |    | FORMIC ACID | C     | 35 | 2.5 <= x % < 10 |

#### Other substances representing a hazard:

| INDEX        | CAS      | EC        | Name        | Symb. | R:                   | %               |
|--------------|----------|-----------|-------------|-------|----------------------|-----------------|
| 607-006-00-8 | 144-62-7 | 205-634-3 | OXALIC ACID | Xn    | 21/22                | 2.5 <= x % < 10 |
| 612-082-00-0 | 62-56-6  | 200-543-5 | THIOUREA    | Xn N  | 40.C3 51/53 63.G3 22 | 10 <= x % < 25  |

#### Substances present at a concentration below the minimum danger threshold:

No known substance in this category present.

#### Other substances with occupational exposure limits:

No known substance in this category present.

### 4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

#### In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### In the event of splashes or contact with skin:

Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.

Wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital

**In the event of swallowing:**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water, administer activated medical charcoal and consult a doctor.

Consult a doctor and show him the label.

If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

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**5 - FIRE-FIGHTING MEASURES**

Not relevant.

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**6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

**Environmental precautions:**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

**Methods for cleaning up:**

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

If a large amount has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

Clean preferably with a detergent, do not use solvents.

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**7 - HANDLING AND STORAGE**

The regulations relating to storage premises apply to workshops where the product is handled.

Avoid exposure to pregnant women and warn women of child-bearing age of the possible risks

**Fire prevention:**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Avoid exposure - obtain special instructions before use.

Product must not come into contact with the skin and eyes

Provide safety showers and eye washes in workshops where the product is handled constantly

**Prohibited equipment and procedures:**

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

**Storage:**

Keep the container tightly closed in a dry place.

Keep away from food and drink, including those for animals.

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**8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

Use personal protection equipment as per Directive 89/686/EEC.

**Exposure limit values per INRS ED 984:**

| France   | VME-ppm: | VME-mg/m3: | VLE-ppm: | VLE-mg/m3: | Notes: | TMP N°: |
|----------|----------|------------|----------|------------|--------|---------|
| 144-62-7 | -        | 1          | -        | -          | -      | -       |
| 64-18-6  | 5        | 9          | -        | -          | -      | -       |

**Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:**

| EC       | VME-ppm: | VME-mg/m3: | VLE-ppm: | VLE-mg/m3: | Notes: |
|----------|----------|------------|----------|------------|--------|
| 144-62-7 | 1        | -          | -        | -          | -      |
| 64-18-6  | 9        | 5          | -        | -          | -      |

#### Exposure limit values (2003-2006):

| Germany/AGW | AGW:    | AGW:      | Faktor:  | Bemerkungen: |            |
|-------------|---------|-----------|----------|--------------|------------|
| 64-18-6     | 5 ml/m3 | 9,5 mg/m3 | 2(I)     | DFG, EU, Y   |            |
| UK/WELs     | TWA:    | STEL:     | Ceiling: | Definition:  | Criterion: |
| 144-62-7    | 1 mg/m3 | 2 mg/m3   | -        | -            | -          |
| 64-18-6     | 5 ppm   | -         | -        | -            | -          |
| UK/OES      | TWA:    | STEL:     | Ceiling: | Definition:  | Criterion: |
| 144-62-7    | 1 mg/m3 | 2 mg/m3   | -        | -            | -          |
| 64-18-6     | 5 ppm   | -         | -        | -            | -          |
| ACGIH/TLV   | TWA:    | STEL:     | Ceiling: | Definition:  | Criterion: |
| 144-62-7    | 1 mg/m3 | 2 mg/m3   | -        | -            | -          |
| 64-18-6     | 5 ppm   | 10 ppm    | -        | -            | -          |

#### Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

Where there is a risk of contact with the hands, suitable gloves must be used

Type of gloves recommended :

- Butyl rubber
- Neoprene

#### Eye and face protection:

Avoid contact with the skin and eyes

Provide personnel with gloves, face masks and safety goggles.

Provide eye washes in workshops where the product is constantly handled

#### Skin protection:

Wear suitable protective clothing, in particular an apron and boots. These items must be kept in good condition and cleaned after use.

For further information, see § 11 of S.D.S. - Toxicological information.

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## 9 - PHYSICAL AND CHEMICAL PROPERTIES

#### General information:

Physical state: fluid liquid

#### Important health, safety and environmental information:

pH of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: not specified.

Flash point interval: not relevant.

vapour pressure: not relevant.

Density: not stated.

water solubility: Soluble.

#### Other information:

melting point/melting range: not specified.

Self-ignition temperature: not specified.

Decomposition point/decomposition range : not specified.

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## 10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

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## 11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

It is generally agreed that substances contained are likely to cause tissue damage in less than four hours after application to the healthy, unbroken skin of an animal.

It is generally agreed that substances contained are likely to cause category 3 carcinogenic effects.

It is generally agreed that substances contained are likely to cause category 3 teratogenic effects.

#### Other data:

CAS 62-56-6 : IARC Groupe 3 (The agent is not classifiable as to its carcinogenicity to humans).

## 12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.  
The product must not be allowed to run into drains or waterways.

### Ecotoxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

### Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.  
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

### Soiled packaging:

Empty container completely. Keep label(s) on container.  
Give to a certified disposal contractor.

## 14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2007 - IMDG 2006 - ICAO/IATA 2007).

UN1760=CORROSIVE LIQUID, N.O.S.

(formic acid)

| ADR/RID | Class | Code | Pack gr. | Label | Ident. | LQ  | Provis. |
|---------|-------|------|----------|-------|--------|-----|---------|
|         | 8     | C9   | III      | 8     | 80     | LQ7 | 274     |



| IMDG | Class | 2°Label | Pack gr. | LQ  | EMS     | Provis.     |
|------|-------|---------|----------|-----|---------|-------------|
|      | 8     | -       | III      | 5 L | F-A,S-B | 223 274 944 |

| IATA | Class | 2°Label | Pack gr. | Passager | Passager | Cargo | Cargo | note |
|------|-------|---------|----------|----------|----------|-------|-------|------|
|      | 8     | -       | III      | 818      | 5 L      | 820   | 60 L  | A3   |
|      | 8     | -       | III      | Y818     | 1 L      | -     | -     | -    |

## 15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations  
In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

Packaging < 125 ml.

### Preparation classification:



Corrosive.

### Contains:

|           |             |
|-----------|-------------|
| 205-634-3 | FORMIC ACID |
| 200-543-5 | OXALIC ACID |
|           | THIOUREA    |

### Particular hazards associated with the preparation and safety recommendations:

|         |   |
|---------|---|
| R 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R 22    | Harmful if swallowed.   |
| R 34    | Causes burns.   |
| R 40    | Limited evidence of a carcinogenic effect.  |
| R 63    | Possible risk of harm to the unborn child.  |
| S 26    | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

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|            |   |
|------------|---|
| S 36/37/39 | Wear suitable protective clothing, gloves and eye/face protection.  |
| S 45       | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| S 60       | This material and its container must be disposed of as hazardous waste.                                     |

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#### 16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

##### Full text of risk phrases appearing in section 3:

|         |   |
|---------|---|
| R 21/22 | Harmful in contact with skin and if swallowed.  |
| R 22    | Harmful if swallowed.   |
| R 35    | Causes severe burns.  |
| R 40.C3 | Limited evidence of a carcinogenic effect.  |
| R 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R 63.G3 | Possible risk of harm to the unborn child.  |