

**Material Safety Data Sheet**  
According to 2004/73/CE

Printing date 13.11.2006

Reviewed on 13.11.2006




**1 Identification of the substance/preparation and of the company/undertaking**

- **Product details**
- **Trade name: RACESTYPTINE CORD**
- **Article number: 530F**
- **Application of the substance / the preparation** Wire for dental use
- **Manufacturer/Supplier:**  
SEPTODONT  
58, rue du Pont de Créteil  
94107 Saint-Maur-des-Fossés Cedex  
Tél: +33 (0)1 49 76 70 00  
Fax: +33 (0)1 48 85 54 01
- **Further information obtainable from:** Laboratory
- **Information in case of emergency:** NHS Direct: 0845 46 47 / Textphone: 0845 606 46 47

**2 Composition/information on ingredients**

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6	ethanol  F; R 11	50-100%
CAS: 7784-13-6 EINECS: 231-208-1	aluminium chlorure  Xi; R 36/38	10-25%
CAS: 137-58-6 EINECS: 205-302-8	2-(diethylamino)-N-(2,6-dimethylphenyl)acetamide  Xn; R 22	10-25%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

**3 Hazards identification**

· **Hazard description:**



Xi Irritant  
F Highly flammable

- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
R 11 Highly flammable.  
R 36/38 Irritating to eyes and skin.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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### 4 First aid measures

- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

**Ingredients with limit values that require monitoring at the workplace:****64-17-5 ethanol**WEL (Great Britain) Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

- **Material of gloves** Rubber gloves
- **Eye protection:**



Tightly sealed goggles

**9 Physical and chemical properties**

· **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 78°C

· **Flash point:** 13°C

· **Ignition temperature:** 425°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

<b>Lower:</b>	3.5 Vol %
<b>Upper:</b>	15.0 Vol %

· **Vapour pressure at 20°C:** 59 hPa

· **Density:** Not determined.

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· **Solubility in / Miscibility with water:** Fully miscible.

· **Solvent content:**  
**Organic solvents:** 59.0 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes.
  - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### 12 Ecological information

- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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**14 Transport information**

· Land transport ADR/RID (cross-border)



- ADR/RID class: 3 (F1) Flammable liquids.
- Danger code (Kemler): 33
- UN-Number: 1993
- Packaging group: II
- Hazard label: 3
- Description of goods: 1993 FLAMMABLE LIQUID, N.O.S. (ethanol), special provision 640D

· Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1993
- Label: 3
- Packaging group: II
- EMS Number: F-E,S-E
- Marine pollutant: No
- Proper shipping name: FLAMMABLE LIQUID, N.O.S. (ethanol)

· Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1993
- Label: 3
- Packaging group: II
- Proper shipping name: FLAMMABLE LIQUID, N.O.S. (ethanol)

**15 Regulatory information**

· Labelling according to EU guidelines:  
The product has been marked in accordance with EU Directives / respective national laws.

· Code letter and hazard designation of product:



*Xi Irritant*  
*F Highly flammable*

· Risk phrases:  
11 Highly flammable.

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36/38 Irritating to eyes and skin.

**· Safety phrases:**

9 Keep container in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

25 Avoid contact with eyes.

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

37 Wear suitable gloves.

60 This material and its container must be disposed of as hazardous waste.

**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**· Relevant R-phrases**

11 Highly flammable.

22 Harmful if swallowed.

36/38 Irritating to eyes and skin.