

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

Printing date 21.11.2006

Reviewed on 21.11.2006




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

- **Product details**
- **Trade name:** *ENDOSOLV R*
- **Application of the substance / the preparation** *Products of channels desobturation*
- **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: 75-12-7 EINECS: 200-842-0	formamide	Repr. Cat. 2;  T; R 61	50-100%
CAS: 60-12-8 EINECS: 200-456-2	2-phenylethanol	 Xn,  Xi; R 22-36	25-50%

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

**3 Hazards identification**

- **Hazard description:**



T Toxic

- **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 61 *May cause harm to the unborn child.*  
R 22 *Harmful if swallowed.*  
R 36 *Irritating to eyes.*
- **Classification system:**  
*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

**4 First aid measures**

- **General information:**  
*Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*

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- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Call for a doctor immediately.

### 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:** Not required.
- **Measures for environmental protection:** 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).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 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:**

75-12-7 formamide

WEL (Great Britain)	Short-term value: 56 mg/m <sup>3</sup> , 30 ppm
	Long-term value: 37 mg/m <sup>3</sup> , 20 ppm

- **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

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Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

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:** Undetermined.

· **Flash point:** Not applicable.

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

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined.

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

**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.

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**11 Toxicological information**

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

**75-12-7 formamide**

Oral	LD50	5570 mg/kg (rat)
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**60-12-8 2-phenylethanol**

Oral	LD50	1790 mg/kg (rat)
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Dermal	LD50	790 mg/kg (rabbit)
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· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **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:

Harmful

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.

**14 Transport information**

· **Land transport ADR/RID (cross-border)**



· **ADR/RID class:** 6.1 (T1) Toxic substances.

· **Danger code (Kemler):** 60

· **UN-Number:** 2810

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- **Packaging group:** III
- **Hazard label:** 6.1
- **Description of goods:** 2810 TOXIC LIQUID, ORGANIC, N.O.S. (2-phenylethanol)

· **Maritime transport IMDG:**



- **IMDG Class:** 6.1
- **UN Number:** 2810
- **Label:** 6.1
- **Packaging group:** III
- **EMS Number:** F-A,S-A
- **Marine pollutant:** No
- **Proper shipping name:** TOXIC LIQUID, ORGANIC, N.O.S. (2-phenylethanol)

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 6.1
- **UN/ID Number:** 2810
- **Label:** 6.1
- **Packaging group:** III
- **Proper shipping name:** TOXIC LIQUID, ORGANIC, N.O.S. (2-phenylethanol)

**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:**



T Toxic

· **Hazard-determining components of labelling:**

formamide  
2-phenylethanol

· **Risk phrases:**

61 May cause harm to the unborn child.  
22 Harmful if swallowed.  
36 Irritating to eyes.

· **Safety phrases:**

53 Avoid exposure - obtain special instructions before use.

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- 20 *When using do not eat or drink.*
- 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.*
- 36/39 *Wear suitable protective clothing and eye/face protection.*
- 45 *In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).*
- 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**

- 22 *Harmful if swallowed.*
- 36 *Irritating to eyes.*
- 61 *May cause harm to the unborn child.*