

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:** *ENDOSOLVE*

· **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: 127-18-4 EINECS: 204-825-9	tetrachloroethylene	Carc. Cat. 3;  Xn,  N; R 40-51/53	50-100%
CAS: 123-92-2 EINECS: 204-662-3	isopentyl acetate	 Xi; R 10-36/37/38-66	2.5-10%
CAS: 89-83-8 EINECS: 201-944-8	thymol	 C,  Xn,  N; R 22-34-51/53	< 1%

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

3 Hazards identification

· **Hazard description:**



Xn Harmful
N Dangerous for the environment

· **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 40 Limited evidence of a carcinogenic effect.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Can become flammable in use.

· **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:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, 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:**
Inform respective authorities in case of seepage into water course or sewage system.
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.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **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:** None.

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:**

127-18-4 tetrachloroethylene

WEL (Great Britain)	Short-term value: 689 mg/m ³ , 100 ppm Long-term value: 345 mg/m ³ , 50 ppm
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123-92-2 isopentyl acetate

WEL (Great Britain)	Short-term value: 541 mg/m ³ , 100 ppm Long-term value: 270 mg/m ³ , 50 ppm
IOELV (EU)	Short-term value: 540 mg/m ³ , 100 ppm Long-term value: 270 mg/m ³ , 50 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.
Wash hands before breaks and at the end of work.
- **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:** Goggles recommended during refilling

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	According to product specification
Odour:	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.

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· **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

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

127-18-4 tetrachloroethylene

Oral	LD50	2629 mg/kg (rat)
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· **Primary irritant effect:**

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

· **on the eye:** No 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:

12 Ecological information

· **Ecotoxicological effects:**

· **Remark:** Toxic for fish

· **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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.

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14 Transport information

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



- **ADR/RID class:** 6.1 (T1) Toxic substances.
- **Danger code (Kemler):** 60
- **UN-Number:** 2810
- **Packaging group:** III
- **Hazard label:** 6.1
- **Description of goods:** 2810 TOXIC LIQUID, ORGANIC, N.O.S. (TETRACHLOROETHYLENE)

· **Maritime transport IMDG:**



- **IMDG Class:** 6.1
- **UN Number:** 2810
- **Label:** 6.1
- **Packaging group:** III
- **EMS Number:** F-A,S-A
- **Marine pollutant:** Yes
- **Proper shipping name:** TOXIC LIQUID, ORGANIC, N.O.S. (TETRACHLOROETHYLENE)

· **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. (TETRACHLOROETHYLENE)

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:**



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N Dangerous for the environment

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- **Hazard-determining components of labelling:**
tetrachloroethylene
- **Risk phrases:**
40 *Limited evidence of a carcinogenic effect.*
51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- **Safety phrases:**
23 *Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).*
25 *Avoid contact with eyes.*
36/37 *Wear suitable protective clothing and gloves.*
57 *Use appropriate container to avoid environmental contamination.*
60 *This material and its container must be disposed of as hazardous waste.*
- **Special labelling of certain preparations:**
Can become flammable in use.

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**
10 *Flammable.*
22 *Harmful if swallowed.*
34 *Causes burns.*
36/37/38 *Irritating to eyes, respiratory system and skin.*
40 *Limited evidence of a carcinogenic effect.*
51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
66 *Repeated exposure may cause skin dryness or cracking.*

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