

MATERIAL SAFETY DATA SHEET

1. INTRODUCTORY AND COMPANY DETAILS

Product Name: ENDOSOLV E
Other Names: n/a
Recommended Use: For use in dentistry to remove canal fillings.

Company name: SPECIALITIES SEPTODONT Pty Ltd.
Address: 14 Cliffbrook Crescent, Emu Plains, NSW 2750
Telephone: 02 4735 5174
Fax: 02 9482 2612
Emergency Telephone: 07 5522 4880

2. HAZARDS IDENTIFICATION

Hazard Classification: HAZARDOUS SUBSTANCE. DANGEROUS GOODS



Harmful (Xn)



Irritant (Xi)



Dangerous for the Environment (N)

Risk Phrases: R36/37/38 - Irritating to eyes, respiratory system and skin.
 R40 – Limited evidence of a carcinogenic effect
 R51/53 – Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety Phrases: S15 Keep away from heat
 S21 When using do not smoke
 S23 Do not breath gas/fumes/vapour/spray
 S24 Avoid contact with skin
 S25 Avoid contact with eyes
 S36/37 Wear suitable protective clothing and gloves.
 S57 Use appropriate container to avoid environmental contamination.
 S60 This material and its container must be disposed of as hazardous waste.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity of Ingredients:

CAS	EC	Name	Symb.	R:	%
127-18-4	204-825-9	TETRACHLOROETHYLENE	Xn, N Carc. Cat 3	40, 51/53	> 60
123-92-2	204-662-3	ISOPENTYL ACETATE	Xi	10, 36/37/38, 66	< 10
89-83-8	201-944-8	THYMOL	C, Xn, N	22, 34, 51/53	< 1

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Australia: 13 1126, New Zealand: 0800 764 766) or a doctor (at once).

After inhalation:

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

After skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

In the event of splashes or contact with eyes:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

In the event of swallowing:

If swallowed, do NOT induce vomiting. Call a doctor immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment:

Full protective clothing and breathing apparatus recommended. Major constituent Tetrachloroethylene whilst not flammable may evolve extremely toxic fumes (phosgene) when involved in a fire.

Hazchem Code: 2X

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

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.

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

Vapour is harmful to health on prolonged exposure.

Exposure limit values per NOHSC:1003(1995)

Tetrachloroethylene

CAS No:	TWA	STEL	Carcinogen Category
127-18-4	50 ppm or 340 mg/m ³	150ppm or 1,020 mg/m ³	3

Isopentyl acetate

CAS No:	TWA	STEL	Carcinogen Category
123-92-2	100 ppm or 532 mg/m ³	-	-

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 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 self-igniting.
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.

Forms dangerous gas near radiators or naked flames. Major constituent Tetrachloroethylene may evolve extremely toxic fumes (phosgene) when involved in a fire.

11. TOXICOLOGICAL INFORMATION

Vapour is harmful to health on prolonged exposure.

Acute toxicity:

127-18-4 **tetrachloroethylene** Oral LD50 2629 mg/kg (rat)

Primary irritant effect:

Irritating to eyes, respiratory system and skin.

Sensitization:

No sensitizing effects known.

12. ECOLOGICAL INFORMATION

Ecotoxicological effects:

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

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 ADGC

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

UN-Number: 2810

Class: 6.1

Packaging group: III

Hazchem Code: 2X

Special Provisions: SP109, SP185, SP274

Packaging method: 3.86, RT7, RT8

Proper Shipping Name: 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

Regulated as an included medical device class IIa. Included on the Australian Register of Therapeutic Goods, AUST I 125470

Hazard classification according to Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)] 3rd Edition and the Australian Code for the Transport of Dangerous Goods by Road and Rail (6th Edition)

Exposure limits according to "Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]"

M.S.D.S prepared in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC:2011(2003)]

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.

Full text of risk phrases appearing in section 3:

R10	Flammable.
R22	Harmful if swallowed.
R34	Causes burns.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.