

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURES AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

Product Name            Enliven Liquids

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Application of the substance/the mixture:** Auxiliary for dental technology

### 1.3. Details of the supplier of the safety data sheet

Supplier            Davis Schottlander & Davis Ltd  
Fifth Avenue, Letchworth Garden City  
Hertfordshire, SG6 2WD, UK  
[msds@schottlander.co.uk](mailto:msds@schottlander.co.uk)  
[www.schottlander.com](http://www.schottlander.com)

### 1.4. Emergency contacts

National poison centre for United Kingdom of Great Britain and Northern Ireland:  
Belfast: +44 28 90 63 2032  
Birmingham: +44 121 507 4123  
Edinburgh: +44 131 242 1383  
Newcastle Upon Tyne: +44 191 2606182/+44 191 2606180  
Penarth: +44 292 071 55 54

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Exempt from requirements - product regulated as a medical device or an in vitro diagnostic medical device. The product is not classified, according to the CLP regulation.

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008:**

Exempt from requirements - product regulated as a medical device or an in vitro diagnostic medical device.

<b>Hazard pictograms:</b>	Void
<b>Signal word:</b>	Void
<b>Hazard statements:</b>	Void

### 2.3. Other hazards

Results of PBT and vPvB: assessment

PBT:            Not applicable.

vPvB:          Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

**Chemical characterization:** Mixture

Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request

## Dangerous components:

CAS: 57-55-6 Propylene glycol substance with a Community workplace exposure limit > 90,0%

EINECS: 200-338-0

Additional information: For the wording of listed risk phrases refer to selection 16.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**General information:** No special measures required. If symptoms persist consult doctor.

**After inhalation:** Take affected persons into fresh air and keep quiet.

**After skin contact:** Immediately rinse with water.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist consult doctor.

**After swallowing:** Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available

## 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

### 5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

### 5.3. Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Remove persons from danger area.

### 6.2. Environmental precautions

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.

### 6.3. Methods and material for containment and cleaning up

Absorb liquid components with liquid-binding material. Dispose of the material collected according to regulations.

### 6.4. Reference to other sections

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

No special measures required.  
Information about fire- and explosion protection: No special measures required.

### 7.2. Conditions of safe storage, including any incompatibilities

**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

### 8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

57-55-6 Propylene glycol  
WEL ( ) Long-term value:474\* 10\*\* mg/m<sup>3</sup> 150\* ppm  
\*total vapour and particulates \*\*particulates

Additional information: The lists valid during the making were used as basis.

### 8.2. Exposure controls

No Information provided

#### Personal Protective Equipment

General protective and hygienic measures:  
The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work.

**Respiratory protection:** Suitable respiratory protective device recommended

**Protection of hands:** Protective gloves

### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substance, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

**Eye protection:** Safety glasses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### General Information

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined
pH-value	Not determined
Change in condition	
Melting point/ freezing range:	Undetermined
Boiling point and Boling range:	Undetermined
Flash point:	Not applicable
Flammability (solid, gas):	Not applicable
Ignition temperature	Undetermined
Decomposition temperature:	Not determined
Auto- igniting temperature	Product is not self igniting
Danger of explosion:	Product does not present an explosion hazard.
Explosion limit	
Lower	2.6 Vol%
Upper	12.6 Vol%
Vapour pressure at 20°C:	Not determined
Density	Not determined
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in/ Miscibility with water	Fully miscible
Partition coefficient: n-octanol/water:	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined
Solvent content:	
Organic solvents:	99.0%
Water:	0,1%
VOC (EC)	1,000.0 g/l

**9.2. Other information**

No further relevant information available

**10. STABILITY AND REACTIVITY****10.1. Reactivity**

No further relevant information available.

**10.2. Chemical stability**

**Thermal decomposition conditions to be avoided:** No decomposition if used according to specifications.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known

**10.4. Conditions to avoid**

No further relevant information available.

**10.5. Incompatible materials**

No further relevant information available.

**10.6. Hazardous decomposition products**

No dangerous decomposition products known.

**11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Acute toxicity: Based on available data, the classification criteria are not met  
LD/LC50 values relevant for classification: No further relevant information available.

**Primary irritant effects:**

Skin corrosion/ irritation: Based on available data, the classification criteria are not met

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Repeated dose toxicity: No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): No further relevant information available.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met

**12. ECOLOGICAL INFORMATION****12.1. Toxicity**

Aquatic toxicity: No further relevant information available.

**12.2. Persistence and degradability**

No further relevant information available.

**12.3. Bioaccumulative potential**

No further relevant information available.

**12.4. Mobility in soil**

No further relevant information available.

Additional 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.

**12.5. Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**12.6. Endocrine disrupting properties**

No information provided

**12.7. Other adverse effects**

No further relevant information available.

**13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact waste processors for recycling information.

European waste catalogue

18 00 00	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 01 00	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 07	chemicals other than those mentioned in 18 01 06

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents

**14. TRANSPORT INFORMATION**

**14.1. UN number**

ADR, ADN, IMDG, IATA not regulated

**14.2. UN proper shipping name**

ADR, ADN, IMDG, IATA not regulated

**14.3. Transport hazard class(es)**

ADR, ADN, IMDG, IATA  
Class not regulated

**14.4. Packing group**

Packaging group  
ADR, IMDG, IATA not regulated

**14.5. Environmental hazards**

Marine pollutant No

**14.6. Special precautions for user**

Not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

Transport in bulk according to

Annex II of Marpol and the IBC Code: Not applicable

UN "Model Regulation": not regulated

**15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No information provided.

**15.2. Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**16. OTHER INFORMATION****Classification according to Regulation (EC) No 1272/2008** Calculation method

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**Sources**ECHA (<http://echa.europa.eu/>)EnviChem ([www.echemportal.org](http://www.echemportal.org))

This version replaces all previous versions.

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**16.2 Date of the latest revision of the SDS**

Revision Date: 15/08/2024

Revision: V3

Next Review Date: 15/08/2027

END OF SAFETY DATA SHEET