

**Safety Data Sheet**  
according to Regulation (EC) No.  
1907/2006 (REACH)

**SCHWEIZER-EFFAX** since 1908



**Trade name :** Effol Liquid-Barrier  
**Revision date :** 12.02.2024  
**Print date :** 05.12.2024

**Version :** 1.0.0

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

### 1.1 Product identifier

Effol Liquid-Barrier

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

**Relevant identified uses**

Products for animals

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

**Supplier**

Schweizer-Effax GmbH

**Street :** Westring 24

**Postal code/City :** 48356 Nordwalde

**Country :** Deutschland

**Telephone :** +49 2573 9373-0

**Telefax :** +49 2573 9373-73

**Information contact :** info@schweizer-effax.de  
www.schweizer-effax.de

### 1.4 Emergency telephone number

Germany: Poisons Information Centre Berlin  
Charité – Universitätsmedizin Berlin  
Campus Benjamin Franklin  
Haus VIII, UG  
Hindenburgdamm 30  
D-12203 Berlin  
+49(0)30/30686 700, Internat. INFOTRAC +1 3523233500

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

None

### 2.2 Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Precautionary statements**

P102	Keep out of the reach of children.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local and national legislation.

### 2.3 Other hazards

**Adverse human health effects and symptoms**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**Adverse environmental effects**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous ingredients

None

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

##### Following inhalation

In case of respiratory tract irritation, consult a physician. Provide fresh air.

##### In case of skin contact

In case of skin irritation, consult a physician. Wash immediately with: Water and soap

##### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

##### Following ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Seek medical advice immediately (poison centre).

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

##### Symptoms

Important or further important known symptoms and effects are described in the GHS labelling of the product (see section 2) and in section 11 (Toxicological information). (Further) symptoms and/or effects are not yet known.

In our experience, no special hazards are to be expected if the product is handled properly and is used as intended.

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

treatment: Symptoms (decontamination, vital functions), no known specific antidote.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. , Foam , Carbon dioxide (CO<sub>2</sub>) , Dry extinguishing powder , Sand

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

Thermal decomposition can lead to the escape of irritating gases and vapours.

#### 5.3 Advice for firefighters

##### Special protective equipment for firefighters

Full protection suit , Use suitable breathing apparatus.

#### 5.4 Additional information

Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

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

See protective measures under point 7 and 8. Provide adequate ventilation. Special danger of slipping by leaking/spilling product.

#### 6.2 Environmental precautions

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Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clear contaminated areas thoroughly. Treat the recovered material as prescribed in the section on waste disposal.

### 6.4 Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special measures are necessary.

#### Protective measures

##### Measures to prevent fire

Usual measures for fire prevention.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Protect against UV-radiation/sunlight , Heat.

#### Requirements for storage rooms and vessels

Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container. Keep container tightly closed.

#### Hints on joint storage

Storage class (TRGS 510) : 12

### 7.3 Specific end use(s)

Observe instructions for use. see section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Personal protection equipment

Use personal protection equipment.

#### Eye/face protection



Eye glasses with side protection EN 166

#### Skin protection

##### Hand protection



**By short-term hand contact** : Hand protection is not required.

**By long-term hand contact** : Check leak tightness/impermeability prior to use.  
Suitable material Butyl caoutchouc (butyl rubber) , NBR (Nitrile rubber)  
Breakthrough time 480 min

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**Remark :** When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. EN ISO 374

### Body protection

Wear anti-static footwear and clothing  
Protective clothing. EN 13034 Natural fibres (e.g. cotton) , heat-resistant synthetic fibres  
Chemical resistant safety shoes DIN EN 13832-2

### Respiratory protection

Usually no personal respiratory protection necessary.

### General information

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** Liquid  
**Colour :** greenish blue  
**Odour :** characteristic

#### Safety characteristics

<b>Physical state :</b>			Liquid	
<b>Melting point/freezing point :</b>			No data available	
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	approx.	100	°C
<b>Decomposition temperature :</b>			not determined	
<b>Flash point :</b>			not applicable	
<b>Auto-ignition temperature :</b>			not applicable	
<b>Lower explosion limit :</b>			not applicable	
<b>Upper explosion limit :</b>			not applicable	
<b>Vapour pressure :</b>	( 50 °C )		not applicable	
<b>Density :</b>	( 20 °C )	approx.	1,01	g/cm <sup>3</sup>
<b>Solvent separation test :</b>	( 20 °C )		not applicable	
<b>Water solubility :</b>	( 20 °C )	<=	100	Weight-%
<b>Fat solubility :</b>	( 20 °C )		Not determined.	
<b>pH :</b>			4,8 - 5,8	
<b>log P O/W :</b>			not determined	
<b>Flow time :</b>	( 20 °C )		not relevant	DIN-cup 4 mm
<b>Viscosity :</b>	( 20 °C )		not determined	
<b>Cinematic viscosity :</b>	( 40 °C )		not relevant	
<b>Odour threshold :</b>			not determined	
<b>Relative vapour density :</b>	( 20 °C )		not determined	
<b>Vapourisation rate :</b>			not determined	
<b>Maximum VOC content (EC) :</b>			0,1	Weight-%
<b>Flammable solids :</b>			Not applicable.	
<b>Flammable gases :</b>			Not applicable.	
<b>Oxidising liquids :</b>			Not relevant.	
<b>Explosive properties :</b>			Not applicable.	
<b>Corrosive to metals :</b>			Not relevant.	

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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No hazardous reaction when handled and stored according to provisions.

**10.2 Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3 Possibility of hazardous reactions**

No known hazardous reactions.

**10.4 Conditions to avoid**

See section 7 of the safety data sheet.

**10.5 Incompatible materials**

None known.

**10.6 Hazardous decomposition products**

Does not decompose when used for intended uses.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

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

**Corrosion**

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

**Respiratory or skin sensitisation**

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

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Carcinogenicity**

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

**Germ cell mutagenicity**

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.

**11.2 Information on other hazards**

Endocrine disrupting potential:

The product does not contain any substance above the legal limits that is included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or that has endocrine disrupting or endocrine damaging properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other indications of toxicity

The product has not been tested. The statements on toxicology were derived from the properties of the individual components.

**SECTION 12: Ecological information**

**12.1 Toxicity**

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The product has not been tested. The statement is derived from the properties of the single components.

**Aquatic toxicity**

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

**12.2 Persistence and degradability**

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

This product does not contain components in concentrations of 0.1% or higher which are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6 Endocrine disrupting properties**

The product does not contain any substance above the legal limits that is included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or that has endocrine disrupting or endocrine damaging properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**12.7 Other adverse effects**

The product does not contain any substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

**12.8 Additional ecotoxicological information**

**Additional information**

Do not allow uncontrolled discharge of product into the environment.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Dispose according to legislation.

**13.2 Additional information**

Non-contaminated packages may be recycled.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

No dangerous good in sense of these transport regulations.

**14.2 UN proper shipping name**

No dangerous good in sense of these transport regulations.

**14.3 Transport hazard class(es)**

No dangerous good in sense of these transport regulations.

**14.4 Packing group**

No dangerous good in sense of these transport regulations.

**14.5 Environmental hazards**

No dangerous good in sense of these transport regulations.

**14.6 Special precautions for user**

None

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

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No transport as bulk according to IBC Code.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU legislation

##### Authorisations and/or restrictions on use

##### Restrictions on use

##### Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 75

#### National regulations

CH: Chemicals Ordinance, ChemO

##### Technische Anleitung zur Reinhaltung der Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

##### Water hazard class

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

##### Other regulations, restrictions and prohibition regulations

##### Switzerland

##### VOCV-Regulation

See section 9.1

### 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this preparation. For the following substances of this mixture/preparation a chemical safety assessment has been carried out :

None

## SECTION 16: Other information

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

ADR = European Agreement concerning the carriage of Dangerous goods by Road

ADN = European Agreement concerning the Carriage of Dangerous Goods by Inland Waterways

ATE = Estimated values for acute toxicity

AwSV = Ordinance on Installations for Handling Substances Hazardous to Water

CAS = Chemical Abstract Service Number

CE = European Community

CLP = EC Regulation 1272/2008

CMR = cancerogen mutagen reprotoxic

DIN = German Institute for Standardisation

DNEL = Derived No Effect Level

DMEL = Derived Minimum Effect Level

EC50 = Mean effective concentration that induces a defined effect other than death in a test population

EG = European Community

EN = European standards

IATA = International Air Transport Association Dangerous Goods Regulation

IBC-Code = International Code for the construction and equipment of ships carrying dangerous chemicals in large quantities

IMDG = International Maritime Code for dangerous goods

ISO = International Organization for Standardization

LC50 = Lethal Concentration 50%

LD50 = Lethal dose 50%

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MAK = Maximum workplace concentration  
MARPOL = International Convention for the Protection of the Marine Environment from Ship-generated Litter  
NOEC = No Observed Effect Concentration  
OECD = Organisation for Economic Cooperation and Development  
PBT = Persistent, bioaccumulative and toxic  
pH = potential of hydrogen  
PNEC = Predicted no effect concentration  
PPM = parts per million  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals (EC Regulation 1907/2006)  
RID = Regulation concerning the international transport of dangerous goods by train  
TRGS = Technical rules for hazardous substances (german rules)  
TWA = Time-weighted average exposure limit  
UN-Number = UN number for the transport of dangerous goods  
vPvB = Very Persistent and very Bioaccumulative as for REACH Regulation  
VOC = Volatile organic Compounds

**16.3 Key literature references and sources for data**

None

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

**16.5 Relevant H- and EUH-phrases (Number and full text)**

None

**16.6 Training advice**

None

**16.7 Additional information**

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.