

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 1 of 9

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

TRIOL

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Washing and cleaning products
Professional use of general surface cleaning products
Kitchen cleaner, manual application

1.3. Details of the supplier of the safety data sheet

Company name:	Seeger Wasch- und Reinigungsmittel GmbH	
Street:	Schickhardtstraße 7	
Place:	D-72336 Balingen	
Telephone:	+49 (0)7433 9600	Telefax: +49 (0)7433 960-152
E-mail:	info@seeger-balingen.com	
Contact person:	Labor	
E-mail:	info@seeger-balingen.com	
Internet:	www.seeger-balingen.com	
Responsible Department:	Labor	

1.4. Emergency telephone number: 030-30686700**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements**Regulation (EC) No 1272/2008****Precautionary statements**

P102 Keep out of reach of children.

Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 2 of 9

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	sodium alkylbenzenesulfonate			15 - < 20 %
	932-051-8		01-2119565112-48	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
166736-08-9	2-Propyleneheptanol, alkoxylated			10 - < 15 %
	605-450-7		02-2119630747-33	
	Acute Tox. 4, Eye Dam. 1; H302 H318			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
	932-051-8	sodium alkylbenzenesulfonate	15 - < 20 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5000 mg/kg	
166736-08-9	605-450-7	2-Propyleneheptanol, alkoxylated	10 - < 15 %
		oral: LD50 = > 300 - 2000 mg/kg Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 3 - < 10	

Labelling for contents according to Regulation (EC) No 648/2004

15 % - < 30 % anionic surfactants, 5 % - < 15 % non-ionic surfactants, perfumes (Geraniol, Citronellol, Limonene), preservation agents (2-Bromo-2-nitropropane-1,3-diol, Benzisothiazolinone).

SECTION 4: First aid measures

4.1. Description of first aid measures

After contact with skin

Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

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.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 3 of 9

Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**For cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

Other information

Take up mechanically. 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****Advice on safe handling**

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

Protect from frost.

7.3. Specific end use(s)

Washing and cleaning products

Professional use of general surface cleaning products

AISE-P

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 4 of 9

DNEL/DMEL values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
	sodium alkylbenzenesulfonate			
Worker DNEL, long-term		dermal	systemic	85 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	6 mg/m³
Consumer DNEL, long-term		dermal	systemic	42,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,5 mg/m³
Consumer DNEL, long-term		oral	systemic	0,425 mg/kg bw/day

PNEC values

CAS No	Name of agent	
Environmental compartment	Value	
	sodium alkylbenzenesulfonate	
Freshwater	0,268 mg/l	
Marine water	0,0268 mg/l	
Freshwater sediment	8,1 mg/kg	
Marine sediment	8,1 mg/kg	
Micro-organisms in sewage treatment plants (STP)	5,6 mg/l	
Soil	35 mg/kg	

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Protective goggles (EN 166) recommended when refilling.

Hand protection

Recommendation:

By long-term hand contact: Wear protective gloves.

Glove material: NBR (Nitrile rubber) (EN ISO 374)

Thickness of the glove material: $\geq 0,4$ mm

Breakthrough time: > 480 min

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Usually no personal respiratory protection necessary.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 5 of 9

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Paste
Colour:	light yellow
Odour:	characteristic

Test method

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	not determined
Lower explosion limits:	not applicable
Upper explosion limits:	not determined
Flash point:	not applicable
Auto-ignition temperature:	> 200 °C
Decomposition temperature:	not determined
pH-Value (at 20 °C):	7
Water solubility:	easily soluble
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1,05 g/cm ³
Relative vapour density:	not determined

9.2. Other information**Information with regard to physical hazard classes**

Self-ignition temperature

Solid:	not determined
Gas:	not applicable

Oxidizing properties

Not oxidising.

Other safety characteristics

Evaporation rate:	not determined
Solid content:	not determined
Viscosity / dynamic: (at 20 °C)	11000-15000 mPa·s DIN 51377

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 6 of 9

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	sodium alkylbenzenesulfonate				
	oral	LD50 5000 mg/kg	Rat	OECD 401	
	dermal	LD50 > 2000 mg/kg	Rat	OECD 402	
166736-08-9	2-Propyleneheptanol, alkoxylated				
	oral	LD50 > 300 - 2000 mg/kg	Rat		OECD 423

Irritation and corrosivity

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

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

SECTION 12: Ecological information

12.1. Toxicity

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 7 of 9

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	sodium alkylbenzenesulfonate					
	Acute fish toxicity	LC50	5,5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50	6,3 mg/l	48 h	Daphnia magna (Big water flea)	
166736-08-9	2-Propyleneheptanol, alkoxylated					
	Acute fish toxicity	LC50	> 10 - 100 mg/l	96 h	Danio rerio (zebrafish)	OECD 203
	Acute crustacea toxicity	EC50	> 1 - 10 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	sodium alkylbenzenesulfonate			
	OECD 301A	70%	28	
	Readily biodegradable (according to OECD criteria).			
166736-08-9	2-Propyleneheptanol, alkoxylated			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D (aerobic)	> 60%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

The product has not been tested.

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 8 of 9

Land transport (ADR/RID)**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Inland waterways transport (ADN)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Marine transport (IMDG)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Air transport (ICAO-TI/IATA-DGR)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Directive 2010/75/EU on industrial emissions: 0,101 % (1,064 g/l)

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional informationTo follow: 850/2004/EC , 79/117/EEC , 689/2008/EC
Regulation (EC) No. 648/2004 [Detergents regulation]**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 6,7,9,11,12,13,15.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TRIOL

Revision: 26.05.2025

Product code: 3790

Page 9 of 9

Abbreviations and acronyms

Acute Tox. 4: Acute toxicity, hazard category 4
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
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 Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

Further Information

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.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)