

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.03.2017

Version number 3

Revision: 13.03.2017

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

- **1.1 Product identifier**
- **Trade name: Neutrol L**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages PW** Widespread use by professional workers
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture**
Dry-cleaning
Additiv for solvent care
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Further information obtainable from:** sds@seitz24.com
- **1.4 Emergency telephone number:**
GIZ-Nord, Göttingen, Germany + 49 551 19240
(Member of EPECS)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
 Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
 Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05 GHS09

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- **Signal word** Danger
- **Hazard-determining components of labelling:**
2,2'-(octadec-9-enylimino)bisethanol
- **Hazard statements**
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P280 Wear protective gloves / eye protection.
P273 Avoid release to the environment.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· **Dangerous components:**

CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	< 15%
CAS: 25307-17-9 EINECS: 246-807-3 Reg.nr.: 01-2119510876-35-xxxx	2,2'-(octadec-9-enylimino)bisethanol Skin Corr. 1B, H314; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302	< 10%

· **Regulation (EC) No 648/2004 - Labelling for contents**

non-ionic surfactants	5 - 15%
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- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of problems.
- **After skin contact**
Immediately rinse with water.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Causes severe skin burns and eye damage.

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- **4.3 Indication of any immediate medical attention and special treatment needed**
Symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
- **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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed receptacles.
Protect from frost.

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- Time of storage: max. 24 month
- **Storage class** 8 A
- **7.3 Specific end use(s)** Dry-cleaning

SECTION 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:**

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

WEL	Long-term value: 308 mg/m ³ , 50 ppm
	Sk

- **Regulatory information** WEL: EH40/2011

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

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / vapours / aerosols.

- **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

Combination filter ABEK-P2

- **Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Nitrile rubber, NBR

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 substances, 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.

- **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

- **Eye protection:** Tightly sealed goggles.

- **Body protection:** Protective work clothing

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SECTION 9: Physical and chemical properties

<ul style="list-style-type: none"> · 9.1 Information on basic physical and chemical properties · General Information · Appearance: <ul style="list-style-type: none"> Form: Fluid Colour: Light yellow · Odour: Product specific · Odour threshold: No further relevant information available. 	
· pH-value:	Not applicable.
<ul style="list-style-type: none"> · Change in condition <ul style="list-style-type: none"> Melting point/freezing point: undetermined Initial boiling point and boiling range: undetermined · Flash point: undetermined · Flammability (solid, gaseous) No further relevant information available. · Ignition temperature: No further relevant information available. · Decomposition temperature: No further relevant information available. · Auto-ignition temperature: Product is not selfigniting. · Explosive properties: Product does not present an explosion hazard. · Explosion limits: <ul style="list-style-type: none"> Lower: No further relevant information available. Upper: No further relevant information available. · Oxidising properties No further relevant information available. · Vapour pressure: No further relevant information available. · Density at 20 °C: ~ 0.92 g/cm³ (ISO 2811) · Relative density No further relevant information available. · Vapour density No further relevant information available. · Evaporation rate No further relevant information available. · Solubility in / Miscibility with Water: emulsifiable · Segregation coefficient (n-octanol/water): No further relevant information available. · Viscosity: <ul style="list-style-type: none"> dynamic: No further relevant information available. kinematic: No further relevant information available. · 9.2 Other information No further relevant information available. 	

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under normal ambient conditions.
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** None if used as directed.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong oxidizing agents

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- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 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:**

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	9500 mg/kg (rabbit)
Inhalative	LC50 (7h)	3.35 mg/l (rat)

CAS: 25307-17-9 2,2'-(octadec-9-enylimino)bisethanol

Oral	LD50	1260 mg/kg (rat) (OECD 401)
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- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity 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**

- **Aquatic toxicity:**

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

EC50	> 969 mg/l (Aquatic plants, algae) (96 h; Scenedesmus capricornutum)
	1919 mg/l (Aquatic invertebrates) (48 h; Daphnia)
LC50	> 10000 mg/l (Fish) (96 h; Pimephales promelas)

CAS: 25307-17-9 2,2'-(octadec-9-enylimino)bisethanol

EC50	0.043 mg/l (Aquatic invertebrates) (48 h, Daphnia magna, OECD 202)
LC50	0.1 - 1 mg/l (Fish) (96 h; Zebrabärbling; OECD 203)
NOEC	0.0107 mg/l (Aquatic invertebrates) (21 d; Daphnia Magna; OECD 211)
ErC50	0.054 mg/l (Aquatic plants, algae) (Pseudokirchneriella subcapitata, OECD 201)

- **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:**

Do not allow product to reach ground water, water course or sewage system.
The product contains materials that are harmful to the environment.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held

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at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
Disposal must be made according to official regulations.
- **Waste disposal key:**
The assignment of waste codes in accordance with European Waste Catalogue (EWC) is trade- and process-specific and has to be made in compliance with national and local regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
 - **ADR, IMDG, IATA** UN2735
 - **14.2 UN proper shipping name**
 - **ADR** 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (oleylaminethoxylate), ENVIRONMENTALLY HAZARDOUS
 - **IMDG** AMINES, LIQUID, CORROSIVE, N.O.S. (oleylaminethoxylate), MARINE POLLUTANT
 - **IATA** AMINES, LIQUID, CORROSIVE, N.O.S. (oleylaminethoxylate)
 - **14.3 Transport hazard class(es)**
 - **ADR**
- 

- **Class** 8 (C7) Corrosive substances.
 - **Label** 8

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· IMDG

- Class 8 Corrosive substances.
- Label 8

· IATA

- Class 8 Corrosive substances.
- Label 8

- 14.4 Packing group III
- ADR, IMDG, IATA

- 14.5 Environmental hazards: Product contains environmentally hazardous substances: oleylaminethoxylate
- Marine pollutant: Symbol (fish and tree)
- Special marking (ADR): Symbol (fish and tree)

- 14.6 Special precautions for user Warning: Corrosive substances.
- Danger code (Kemler): 80
- EMS Number: F-A,S-B
- Segregation groups Alkalis
- Stowage Category A
- Segregation Code SG35 Stow "separated from" acids.

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

· Transport/Additional information:

- ADR
- Limited quantities (LQ) 5L
- Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- Transport category 3
- Tunnel restriction code E

- IMDG
- Limited quantities (LQ) 5L
- Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

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- | | |
|---|--|
| <ul style="list-style-type: none"> · UN "Model Regulation": | UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(OLEYLAMINETHOXYLATE), 8, III,
ENVIRONMENTALLY HAZARDOUS |
|---|--|

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Seveso category** E1 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Other regulations, limitations and prohibitive regulations**

Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

- **Other information:** Product is for professional use only.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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 phrases**
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
- **Classification according to Regulation (EC) No 1272/2008**
Classification of mixtures based on ingredients of the mixture, applying calculation method of assessing health and environmental hazards
- **Abbreviations and acronyms:**
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
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- *** Data compared to the previous version altered.**