

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 20.04.2023

Version number 5

Revision: 20.04.2023

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

- **1.1 Product identifier**
- **Trade name:** **SC 15**
- **Article number:** V6012
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category**
PC14 Metal surface treatment products
PC15 Non-metal-surface treatment products
- **Process category**
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- **Environmental release category**
ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- **Application of the substance / the mixture**
Processing aids for vibratory finishing
Industrial use
Polishing agent/ Burnishing compound
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
OTEC Präzisionsfinish GmbH
Heinrich-Hertz-Straße 24
75334 STRAUBENHARDT
Germany
msds@otec.de
www.otec.de
Tel. + 49 7082 491120
Fax + 49 7082 4911141
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**
Giftnformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord) : +49 (0)551/19 240

2 Hazards identification

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



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335 May cause respiratory irritation.

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

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· Hazard pictograms



GHS05 GHS07

· Signal word Danger

· Hazard-determining components of labelling:

2-aminoethanol

Fatty acids C 8-10

Fatty acids C8-18 and C18 unsaturated

· Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

· Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

3 Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 141-43-5 EINECS: 205-483-3 Index number: 603-030-00-8 Reg.nr.: 01-2119486455-28-xxxx	2-aminoethanol ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 3, H412	>1-≤2.5%
CAS: 26027-37-2	poly(oxy-1,2-ethanediyl), α-[(9Z)-2-[(1-oxo-9-octadecen-1-yl)amino]ethyl]-ω-hydroxy- ⚠ Eye Irrit. 2, H319	>1-≤2.5%
CAS: 68937-75-7 EINECS: 273-086-2 Reg.nr.: 01-2119555294-36-xxxx	Fatty acids C 8-10 ⚠ Skin Corr. 1B, H314	>1-≤2.5%
CAS: 67701-05-7 EINECS: 266-929-0 Reg.nr.: 01-219552480-44-xxxx	Fatty acids C8-18 and C18 unsaturated ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	0-≤2.5%
CAS: 68439-51-0	Alkohol, C12-14, Ethoxyliert Propoxyliert	0-≤2.5%
CAS: 93820-33-8 EINECS: 298-613-3 Reg.nr.: 01-2119984313-35-xxxx	N-(2-ethylhexyl)isononan-1-amide ⚠ Aquatic Acute 1, H400	0-≤1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

· 4.1 Description of first aid measures

· **General information:** Immediately remove any clothing soiled by the product.· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

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- **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Rinse mouth. Spit out the liquid again. Do NOT induce vomiting. Get medical attention immediately.
- **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 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
carbon dioxide (CO₂)
During heating or in case of fire poisonous gases are produced.
- **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**
Particular danger of slipping on leaked/spilled product.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow to penetrate the ground/soil.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **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**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **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:**
Shelf life: 18 months from date of manufacture, in unopened container
Keep container tightly sealed.

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· 7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· 8.1 Control parameters

· Additional information about design of technical facilities: No further data; see section 7.

· Ingredients with limit values that require monitoring at the workplace:

CAS: 141-43-5 2-aminoethanol

WEL	Short-term value: 7.6 mg/m ³ , 3 ppm
	Long-term value: 2.5 mg/m ³ , 1 ppm
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· DNELs

CAS: 141-43-5 2-aminoethanol

Dermal	DNEL	1 mg/kg (Worker (D))
Inhalative	DNEL	3.3 mg/m ³ (Worker (I))

CAS: 67701-05-7 Fatty acids C8-18 and C18 unsaturated

Dermal	DNEL	10 mg/kg (Worker (D))
Inhalative	DNEL	53.6 mg/m ³ (Worker (I))

CAS: 92129-33-4 Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides

Dermal	DNEL	6.9 mg/kg /bw/day (Worker (D))
Inhalative	DNEL	9.7 mg/m ³ (Worker (I))

· PNECs

CAS: 141-43-5 2-aminoethanol

PNEC aqua	0.085 mg/l (freshwater)
	0.0085 mg/l (marine water)
PNEC sediment	0.434 mg/kg (freshwater)
	0.0434 mg/kg (marine water)

CAS: 67701-05-7 Fatty acids C8-18 and C18 unsaturated

PNEC aqua	0.031 mg/l (freshwater)
	0.0031 mg/l (marine water)
PNEC sediment	1.67 mg/kg (freshwater)
	0.167 mg/kg (marine water)

CAS: 92129-33-4 Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides

PNEC aqua	0.0062 mg/l (freshwater)
	0.00062 mg/l (marine water)
PNEC STP	0.21 mg/l
PNEC sediment	55 mg/kg (freshwater)
	5.5 mg/kg (marine water)

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

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the skin.
 Avoid contact with the eyes and skin.

· Respiratory protection:

Not required if used as intended.
 Use respiratory protection if vapors or aerosols are generated.
 Filter A / P2
 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.

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· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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.

· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	Blue
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value at 20 °C:	9.2
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· Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.

Flash point:	Not applicable.
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Flammability (solid, gas):	Not applicable.
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Decomposition temperature:	Not determined.
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Ignition temperature:	Product is not selfigniting.
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Explosive properties:	Product does not present an explosion hazard.
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· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure:	Not determined.
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Density at 20 °C:	1 g/cm ³
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Relative density	Not determined.
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Vapour density	Not determined.
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Evaporation rate	Not determined.
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· Solubility in / Miscibility with water:

Fully miscible.

Partition coefficient: n-octanol/water:	Not determined.
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· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	1.3-2.5 %
VOC (EC)	1.25-2.5 %
· 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:

ATE (Acute Toxicity Estimates)

Dermal	LD50	40,000-80,000 mg/kg (rabbit)
Inhalative	LC50/4 h	440-880 mg/l

CAS: 141-43-5 2-aminoethanol

Oral	LD50	2,050 mg/kg (rat)
Dermal	LD50	1,000 mg/kg (rabbit)
	LC50/96 h	349 mg/l (Cyprinus carpio) (EU method C.1)

CAS: 68937-75-7 Fatty acids C 8-10

	LC50/96 h	18.9 mg/l (Lepomis Macrochirus)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**
Determination of Skin Corrosion Potential
Method: OECD 431
Result: not corrosive
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **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**
May cause respiratory irritation.
- **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.

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12 Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 141-43-5 2-aminoethanol

EC50/48h	27.04 mg/l (daphnia) (EU method C.2)
EC50/72h	2.1 mg/L (Pseudokirchneriella subcapitata) (OECD 201)
ERC50/72h	2.8 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

CAS: 68439-51-0 Alkohol, C12-14, Ethoxyliert Propoxyliert

EC50/48h	1-10 mg/l (daphnia)
EC0/48h	mg/l (rat)
EC50/72h	1-10 mg/L (Desmodesmus Subspicatus)

CAS: 92129-33-4 Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides

EC50/48h	3.1 mg/l (daphnia)
NOEC chronisch	0.23 mg/l (Pimephales promelas)

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.
Must not reach sewage water or drainage ditch undiluted or unneutralised.

12.5 Results of PBT and vPvB assessment

The product does not contain any substance considered to be persistent, bioaccumulative or toxic (PBT) or very persistent and very bioaccumulative (vPvB).

PBT: -

vPvB: -

12.6 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.

Uncleaned packaging:

Recommendation: 1501 10*: Packaging containing residues of or contaminated by dangerous substances.

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

14 Transport information

14.1 UN-Number

ADR/RID, ADN, IMDG, IATA not regulated

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA not regulated

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA
Class not regulated

14.4 Packing group

ADR/RID, IMDG, IATA not regulated

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

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· UN "Model Regulation":	not regulated
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15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

- **Department issuing SDS:** Product safety department

- **Contact:** Nadine Waltenberger

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- *** Data compared to the previous version altered.**

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