

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

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

1.1 Product identifier

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

**UFI:**

Sn97Cu3: YCH8-K00V-R007-J3GG
Sn96,5Ag3,5: KJ8R-M2HW-J00E-QD0C
Sn96,5Ag3Cu0,5: 8N8R-4279-U00W-DQKE
Sn95,5Ag3,8Cu0,7: CR8R-M2WQ-500E-125G
Sn95,5Ag4Cu0,5: CR8R-M2WQ-500E-125G

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

No further relevant information available.

Application of the substance / the mixture

Soldering flux
Brazing alloy

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Felder GmbH
Im Lipperfeld 11
D-46047 Oberhausen

Tel.: +49 (0)208/ 85035-0

Fax.: +49 (0)208/ 26080

<http://www.felder.de>

e-mail: info@felder.de

Further information obtainable from:

lab

(mo-thu. 8:00 a.m. - 4:00 p.m./ fr. 8:00 a.m. - 1:00 p.m.)

email: mprobst@felder.de

1.4 Emergency telephone number: +49 208 8503529

EuPCS: PC-TEC-24

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

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

Signal word Danger

Hazard-determining components of labelling:

Talgalkyldiaminethoxylat

Hazard statements

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 2)

— EU —

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

(Contd. of page 1)

Precautionary statements

P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection / face protection.
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.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Labelling of packages where the contents do not exceed 125 ml
Hazard pictograms



GHS05 GHS09

Signal word Danger**Hazard-determining components of labelling:**

Talgalkyldiaminethoxylat

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear eye protection / face protection.
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**Description:** Mixture: consisting of the following components.

Dangerous components:		
CAS: 61790-85-0 NLP: 500-149-6	Talgalkyldiaminethoxylat Eye Dam. 1, H318 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302; Skin Irrit. 2, H315	<5%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	<5%
CAS: 102-71-6 EINECS: 203-049-8 Reg.nr.: <1t/year	Triethanolamine substance with a Community workplace exposure limit	<3%
CAS: 4767-03-7 EINECS: 225-306-3 Reg.nr.: <1t/year	2,2-bis(hydroxymethyl)propionic acid Eye Irrit. 2, H319; STOT SE 3, H335	<2.5%
CAS: 7440-22-4 EINECS: 231-131-3 Index number: 047-004-00-9 Reg.nr.: 01-2119555669-21	silver Repr. 2, H361f; STOT RE 2, H373	0-<5%
CAS: 7440-50-8 EINECS: 231-159-6 Index number: 029-026-00-0 Reg.nr.: 01-2119480154-42	copper Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1)	0-<3%

(Contd. on page 3)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

(Contd. of page 2)

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: Take affected persons out into the fresh air.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

After contact with the molten product, cool rapidly with cold water.

Do not pull solidified product off the skin.

Seek medical treatment.

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.

Seek medical treatment.

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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation

6.2 Environmental precautions: 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).

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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure that suitable extractors are available on processing machines

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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: No special requirements.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Prevent from drying out.

Keep container tightly sealed.

Protect from frost.

Store in a cool place.

Storage class: 11

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

(Contd. on page 4)

— EU —

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

7440-31-5 tin

WES (Australia)	Long-term value: 2 mg/m ³
MAK (Germany)	vgl. Abschn. IIb
OEL (Ireland)	Short-term value: 0.2** mg/m ³ Long-term value: 2* 0.1** mg/m ³ IOELV, *metal, oxide, inorg. compds., **org. compds.

112-34-5 2-(2-butoxyethoxy)ethanol

IOELV (EU)	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
AGW (Germany)	Long-term value: 67 mg/m ³ , 10 ppm 1.5(I);EU, DFG, Y, 11
WEL (Great Britain)	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
OEL (Ireland)	Short-term value: 101.2 mg/m ³ , 12 ppm Long-term value: 67.5 mg/m ³ , 10 ppm IOELV

7440-22-4 silver

IOELV (EU)	Long-term value: 0.1 mg/m ³
WES (Australia)	Long-term value: 0.1 mg/m ³
AGW (Germany)	Long-term value: 0.1 E mg/m ³ 8(II);DFG, EU
WEL (Great Britain)	Long-term value: 0.1 mg/m ³
OEL (Ireland)	Long-term value: 0.1 mg/m ³ IOELV

102-71-6 Triethanolamine

WES (Australia)	Long-term value: 5 mg/m ³ Sen
AGW (Germany)	Long-term value: 1 E mg/m ³ 1(I);DFG, Y
OEL (Ireland)	Long-term value: 5 mg/m ³

7440-50-8 copper

WES (Australia)	Long-term value: 1* 0.2** mg/m ³ *dust & mists (as Cu) **fume
AGW (Germany)	Long-term value: 0.045 (A) 0.200 (E) mg/m ³ 8 (II) (A) 4 (II) (E);AGS, 10, als Cu
WEL (Great Britain)	Short-term value: 2** mg/m ³ Long-term value: 0.2* 1** mg/m ³ *fume **dusts and mists (as Cu)
OEL (Ireland)	Long-term value: 0.2* 1** mg/m ³ *fume **dusts and mists

Regulatory information

WES (Australia): Workplace exposure standards for airborne contaminants

MAK (Germany): MAK- und BAT-Liste

OEL (Ireland): 2024 CoP for the Safety, Health and Welfare at Work

IOELV (EU): (EU) 2019/1831

AGW (Germany): TRGS 900

WEL (Great Britain): EH40/2020

recommended monitoring procedures in accordance with 2020/878/EU no. 8.1.2:

112-34-5 2-(2-butoxyethoxy)ethanol: BIA 3509(D), OSHA PV2095(E)

102-71-6 2,2',2'' nitrilotriethanol: BIA 8872(D), NIOSH 3509(E)

7440-22-4 silver: ISO 15202(F, E), BIA 8600(D), NIOSH 7301(E)

7440-50-8 copper: BIA 7755 (D), NIOSH 7301(E), MétroPol Fiche 003(F), MTA/MA-025/A92(ESP)

7440-31-5 tin: NIOSH 7300, 7301, 7303(E), OSHA ID-121, ISO15202(E,F), MTA/MA-025/A92(ESP)

(Contd. on page 5)

EU —

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

(Contd. of page 4)

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

8.2 Exposure controls

Appropriate engineering controls *No further data; see section 7.*

Appropriate engineering controls:

Ensure adequate ventilation.

Remove the fumes by means of suitable suction devices.

Ensure adequate ventilation.

Remove the fumes by suitable suction devices.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

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

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 eyes and skin.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

Hand protection

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 cannot be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material: ≥ 0.4 mm

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.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions.

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Value for the permeation: Level ≤ 6

Eyeface protection



Tightly sealed goggles

Body protection: *Protective work clothing*

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Colour:	<i>Grey</i>
Odour:	<i>Characteristic</i>
Odour threshold:	<i>Not determined.</i>
Melting point/freezing point:	<i>217-250 °C</i>
Boiling point or initial boiling point and boiling range	<i>Undetermined.</i>
Flammability	<i>Not applicable.</i>
Lower and upper explosion limit	
Lower:	<i>Not determined.</i>
Upper:	<i>Not determined.</i>
Flash point:	<i>Not applicable.</i>
Decomposition temperature:	<i>Not determined.</i>
pH	<i>Not determined.</i>
Viscosity:	
Kinematic viscosity	<i>Not determined.</i>
Dynamic:	<i>Not determined.</i>
Solubility	
water:	<i>Not miscible or difficult to mix.</i>
Partition coefficient n-octanol/water (log value)	<i>Not determined.</i>

(Contd. on page 6)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

(Contd. of page 5)

Vapour pressure:	Not determined.
Density and/or relative density	
Density:	Not applicable
Relative density	Not determined.
Vapour density	Not determined.
Particle characteristics	See section 3.
9.2 Other information	
Appearance:	
Form:	Pasty
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Organic solvents:	6.2 %
VOC (EC)	6,20 %
Solids content:	88.8 %
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 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:** Possible in traces.

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.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	5,263-52,632 mg/kg (rat)
------	------	--------------------------

Primary irritant effect:

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

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

(Contd. of page 6)

Serious eye damage/irritation*Causes serious eye damage.***Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.***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.***11.2 Information on other hazards****Endocrine disrupting properties***None of the ingredients is listed.***SECTION 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.***12.5 Results of PBT and vPvB assessment****PBT:** *Not applicable.***vPvB:** *Not applicable.***12.6 Endocrine disrupting properties***The product does not contain substances with endocrine disrupting properties.***12.7 Other adverse effects****Remark:** *Harmful to fish***Additional ecological information:****General notes:***Harmful to aquatic organisms**Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water**Do not allow product to reach ground water, water course or sewage system, even in small quantities.**Danger to drinking water if even extremely small quantities leak into the ground.***SECTION 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.***European waste catalogue***16 03 03*: inorganic wastes containing hazardous substances**HP14: Ecotoxic**cleaned plastic can:**15 01 02: plastic packaging**overpack:**15 01 01: paper and cardboard packaging***Uncleaned packaging:** *15 01 10*: packaging containing residues of or contaminated by hazardous substances***Recommendation:** *Disposal must be made according to official regulations.***Recommended cleansing agents:***mechanical scratching, clean with alkaline soap solution and subsequent rinsing with ethanol or isopropanol.***SECTION 14: Transport information****14.1 UN number or ID number****ADR, IMDG, IATA**

UN3077

(Contd. on page 8)

EU —

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

(Contd. of page 7)

14.2 UN proper shipping name**ADR**3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S. (Talgalkyldiaminethoxylat, copper)**IMDG**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S. (Talgalkyldiaminethoxylat, copper), MARINE POLLUTANT**IATA**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S. (Talgalkyldiaminethoxylat, copper)**14.3 Transport hazard class(es)****ADR, IMDG, IATA****Class**

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group**ADR, IMDG, IATA**

III

14.5 Environmental hazards:**Marine pollutant:**

No

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code):

90

EMS Number:

F-A,S-F

Stowage Category

A

Stowage CodeSW23 When transported in BK3 bulk container, see 7.6.2.12 and
7.7.3.9.**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

Transport/Additional information:**ADR****Limited quantities (LQ)**

5 kg

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 1000 g

Transport category

3

Tunnel restriction code

(-)

Remarks:special provision 375 (these substances when carried in single or
combination packagings containing a net quantity per single or
inner packaging of 5 l or less for liquids or having a net mass per
single or inner packaging of 5 kg or less for solids, are not
subject to any other provisions of ADR)**IMDG****Limited quantities (LQ)**

5 kg

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 1000 g

IATA**Remarks:**special provision A 197
(Air Waybill: „not restricted“)**UN "Model Regulation":**UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (TALGALKYLDIAMINETHOXYLAT, COPPER), 9,
III

(Contd. on page 9)

EU

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5

(Contd. of page 8)

SECTION 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.*

Seveso category E2 *Hazardous to the Aquatic Environment*

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP) *None of the ingredients are included.*

REGULATION (EC) No 1907/2006 ANNEX XVII *Conditions of restriction: 55*

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
--

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Information about limitation of use: *Employment restrictions concerning juveniles must be observed.*

Waterhazard class: *Water hazard class 3 (Self-assessment): extremely hazardous for water.*

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.

Reasons for changes:

12.10.2015: section 1, 8 adaption to Regulation 453/2010/EG and 830/2015/EU
section 15 Seveso III

08.03.2017: section 15, Abschnitt 1 (Anpassung DIN)

26.02.2020: section 1, 13

17.02.2023: section 1, 2, 3, 8, 11, 14, 15, 16

30.04.2025: section 8.1, 14

Information referred to in Annex I, point 1.3.4.2 of Regulation 1272/2008/EC:

Relevant phrases

H302 *Harmful if swallowed.*

H315 *Causes skin irritation.*

H318 *Causes serious eye damage.*

H319 *Causes serious eye irritation.*

H335 *May cause respiratory irritation.*

H361f *Suspected of damaging fertility.*

H373 *May cause damage to organs through prolonged or repeated exposure.*

H400 *Very toxic to aquatic life.*

H410 *Very toxic to aquatic life with long lasting effects.*

Contact: *Dr. M. Probst*

Version number of previous version: 6

Abbreviations and acronyms:

RID: *Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

(Contd. on page 10)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31 and 2020/878/
EU

Printing date 22.10.2025

Version number 7 (replaces version 6)

Revision: 30.04.2025

**Trade name: ISO-Cream "EWL2302" / "EWL2303", leadfree,
Sn97Cu3; Sn96,5Ag3,5;
Sn96,5Ag3Cu0,5; Sn95,5Ag3,8Cu0,7; Sn95,5Ag4Cu0,5**

(Contd. of page 9)

*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)**ICAO: International Civil Aviation Organisation**ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)**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)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**ATE: Acute toxicity estimate values**Acute Tox. 4: Acute toxicity – Category 4**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**Repr. 2: Reproductive toxicity – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2**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***Safety data sheet SD3079**

— EU —