

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

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

1.1 Product identifier

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

UFI:

Sn62Pb36Ag2: S8H8-20AG-E00Q-WRWE
 Sn63Pb37: PQ7R-J2MX-G00F-3Y5Q

**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:

24 hr. emergency information:

Poison emergency call Berlin

"Giftnotruf Berlin"

Tel.: 0049-30-30686 790

EuPCS: PC-TEC-24

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Repr. 1A H360FD-H362 May damage fertility. May damage the unborn child. May cause harm to breast-fed children.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very 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.

(Contd. on page 2)

— EU —

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 1)

Hazard pictograms

GHS05 GHS08 GHS09

Signal word *Danger***Hazard-determining components of labelling:***lead**Talgalkyldiaminethoxylat***Hazard statements***H318 Causes serious eye damage.**H360FD-H362 May damage fertility. May damage the unborn child. May cause harm to breast-fed children.**H372 Causes damage to organs through prolonged or repeated exposure.**H410 Very toxic to aquatic life with long lasting effects.***Precautionary statements***P260 Do not breathe dust/fume/gas/mist/vapours/spray.**P263 Avoid contact during pregnancy and while nursing.**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.***Additional information:***Restricted to professional users.***Labelling of packages where the contents do not exceed 125 ml****Hazard pictograms**

GHS05 GHS08 GHS09

Signal word *Danger***Hazard-determining components of labelling:***lead**Talgalkyldiaminethoxylat***Hazard statements***H318 Causes serious eye damage.**H360FD May damage fertility. May damage the unborn child.**H372 Causes damage to organs through prolonged or repeated exposure.***Precautionary statements***P260 Do not breathe dust/fume/gas/mist/vapours/spray.**P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.**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.***SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** *Mixture: consisting of the following components.***Dangerous components:**

CAS: 7439-92-1	<i>lead</i>	<50%
EINECS: 231-100-4	<i>Repr. 1A, H360FD-H362; STOT RE 1, H372; Aquatic Acute 1, H400</i>	
Index number: 082-013-00-1	<i>(M=1); Aquatic Chronic 1, H410 (M=10)</i>	
Reg.nr.: 01-2119513221-59	<i>Specific concentration limit: Repr. 1A; H360D: C ≥ 0.03 %</i>	

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 2)

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 Reg.nr.: 01-2119555669-21	silver substance with a Community workplace exposure limit	<2.5%
CAS: 68139-49-6	Fettalkoholethoxylat ⚠ Eye Irrit. 2, H319	<2.5%
CAS: 102-60-3 EINECS: 203-041-4 Reg.nr.: 01-2119552434-41	1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol ⚠ Eye Irrit. 2, H319	<2.5%

SVHC

7439-92-1 | lead

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.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.**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.

Mouth respiratory protective device.

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

Wear protective clothing.

Ensure adequate ventilation

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

(Contd. on page 4)

— EU —

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 3)

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).

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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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.

Store away from oxidising agents.

Further information about storage conditions:

Protect from humidity and water.

Store under lock and key and with access restricted to technical experts or their assistants only.

Store in cool, dry conditions in well sealed receptacles.

Storage class: 6.1 C

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

7440-31-5 tin

MAK (Germany)

vgl. Abschn. IIb

OEL (Ireland)

*Short-term value: 0.2** mg/m³*

Long-term value: 2 0.1** mg/m³*

*IOELV, *metal, oxide, inorg. compds., **org. compds.*

7439-92-1 lead

AGW (EU)

Long-term value: 0.15 mg/m³

BOELV (EU)

Long-term value: 0.15 mg/m³

as Pb

MAK (Germany)

vgl. Abschn. XII

OEL (Ireland)

Long-term value: 0.15 mg/m³

Repr1A, BOELV

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

IOELV (EU)

Short-term value: 101.2 mg/m³, 15 ppm

Long-term value: 67.5 mg/m³, 10 ppm

AGW (Germany)

Long-term value: 67 mg/m³, 10 ppm

1.5(I);EU, DFG, Y, 11

WEL (Great Britain)

Short-term value: 101.2 mg/m³, 15 ppm

Long-term value: 67.5 mg/m³, 10 ppm

OEL (Ireland)

Short-term value: 101.2 mg/m³, 15 ppm

Long-term value: 67.5 mg/m³, 10 ppm

IOELV

102-71-6 Triethanolamine

AGW (Germany)

Long-term value: 1 E mg/m³

1(I);DFG, Y

OEL (Ireland)

Long-term value: 5 mg/m³

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 4)

7440-22-4 silver	
IOELV (EU)	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

Regulatory information

MAK (Germany): MAK- und BAT-Liste

OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

BOELV (EU): EU 2022/431

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:

7439-92-1 lead: NIOSH 7702(E), OSHA 1006(E), OSHA ID-206(E)

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

112-34-5 2-(2-butoxyethoxy)ethanol: BIA 6450(D), OSHA PV 2095(E)

102-71-6 triethanolamine: BIA 8872(D), DFG 1(D, E), NIOSH 3509(E)

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

Ingredients with biological limit values:

7439-92-1 lead	
BAT (EU)	70 µg/dl blood lead
BGW (Germany)	300 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: keine Beschränkung Parameter: Blei Frauen < 45 J. 400 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: keine Beschränkung Parameter: Blei

Regulatory information BGW (Germany): TRGS 903**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.**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.

Store protective clothing separately.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Respiratory protection: Filter A/P2**Hand protection**

Protective gloves

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

(Contd. on page 6)

— EU —

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 5)

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

As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR

Eye/face 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:	Grey
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Not applicable
Boiling point or initial boiling point and boiling range	1,740 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
	Not applicable.
Dynamic:	Not determined.
	Not applicable.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
	Not applicable.
Density and/or relative density	
Density:	Not determined.
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

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 6)

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 Toxic fumes may be released if heated above the decomposition point.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Toxic metal oxide smoke

Leadoxide vapour

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)

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

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

May damage fertility. May damage the unborn child. May cause harm to breast-fed children.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure.

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.

(Contd. on page 8)

— EU —

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 7)

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:** Very toxic for fish**Additional ecological information:****General notes:***Also poisonous for fish and plankton in water bodies.**Very toxic for 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**HP5: Specific Target Organ Toxicity (STOT)/Aspiration Toxicity**HP10: Toxic for reproduction**HP14: Ecotoxic**gereinigte Verkaufsverpackung:**15 01 02: Verpackungen aus Kunststoff**Umverpackung:**15 01 01: Verpackungen aus Papier und Pappe***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:** Water, if necessary together with cleansing agents.**SECTION 14: Transport information****14.1 UN number or ID number****ADR, IMDG, IATA**

UN3077

14.2 UN proper shipping name**ADR**3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.**IMDG**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S., MARINE POLLUTANT**IATA**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.**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)

Symbol (fish and tree)

Symbol (fish and tree)

Special marking (ADR):**Special marking (IATA):**

Warning: Miscellaneous dangerous substances and articles.

14.6 Special precautions for user**Hazard identification number (Kemler code):**

90

EMS Number:

F-A,S-F

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 8)

Stowage Category A
Stowage Code SW23 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 E

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

UN "Model Regulation": UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. 9, III

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

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 55, 63, 30

Regulation (EU) No 649/2012

7439-92-1 | lead

Unterkatogerie: i(2) Beschränkung: sr

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

7439-92-1 | lead

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 pregnant and lactating women must be observed.

Employment restrictions concerning women of child-bearing age must be observed.

Employment restrictions concerning juveniles must be observed.

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

Other regulations, limitations and prohibitive regulations

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

7439-92-1 | lead

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 01.08.2023

Version number 6 (replaces version 5)

Revision: 05.05.2023

Trade name: ISO-Cream "EWL 2303" Sn/Pb/Ag
Sn62Pb36Ag2; Sn63Pb37

(Contd. of page 9)

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:

15.05.2017: adaption to regulation 453/2010/EC, section 8.2, section 13

27.02.2018: section 2 (adaption to 8.ATP)

07.09.2018: section 3, 15 SVHC

27.05.2019: section 2, 3

05.05.2023: section 1, 3, 8.1, 12, 11, 15, 16

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.

H360FD May damage fertility. May damage the unborn child.

H362 May cause harm to breast-fed children.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Recommended restriction of use For commercial use only.

Contact: Dr. M. Probst

Version number of previous version: 5

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)

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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

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. 1A: Reproductive toxicity – Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – 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

Safety data sheet SD3078