



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

Printing date 30.03.2023

Version number 4.4 (replaces version 4.3)

Revision: 30.03.2023

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

· 1.1 Product identifier

- Trade name: Loetlegierung Ecoloy TS
Loetlegierung Ecoloy TS03
Loetlegierung Ecoloy TS08
Loetlegierung Ecoloy TS300
Loetlegierung Ecoloy TS350
Loetlegierung Ecoloy TS350Z
Loetlegierung Ecoloy TS380

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

- Technical function soldering
- Application of the substance / the mixture Brazing alloy

· 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
Stannol GmbH & Co. KG
Haberstrasse 24
D-42551 Velbert

+49 (0) 2051 3120 332
sdb@stannol.de

- Further information obtainable from: Product Safety Department

- 1.4 Emergency telephone number:
8:00 am - 5:00 pm (CET) +49 (0) 2051 3120 332

National Poisons Information Service
+44 121 507 4123

Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the GB CLP regulation.

· 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void

· Additional information:

EUH210 Safety data sheet available on request.

· 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 of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 7440-22-4 silver substance with a Community workplace exposure limit 0 - 5%
EINECS: 231-131-3



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

Printing date 30.03.2023

Version number 4.4 (replaces version 4.3)

Revision: 30.03.2023

Trade name: Loetlegierung Ecoloy TS
Loetlegierung Ecoloy TS03
Loetlegierung Ecoloy TS08
Loetlegierung Ecoloy TS300
Loetlegierung Ecoloy TS350
Loetlegierung Ecoloy TS350Z
Loetlegierung Ecoloy TS380

(Contd. of page 1)

- **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**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective clothing.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **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** No special precautions are necessary if used correctly.
- **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:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** 11
- **7.3 Specific end use(s)** No further relevant information available.

GB
(Contd. on page 3)



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

Printing date 30.03.2023

Version number 4.4 (replaces version 4.3)

Revision: 30.03.2023

Trade name: Loetlegierung Ecoloy TS
Loetlegierung Ecoloy TS03
Loetlegierung Ecoloy TS08
Loetlegierung Ecoloy TS300
Loetlegierung Ecoloy TS350
Loetlegierung Ecoloy TS350Z
Loetlegierung Ecoloy TS380

(Contd. of page 2)

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
CAS: 7440-22-4 silver
WEL (Great Britain) Long-term value: 0.1 mg/m³
IOELV (EU) Long-term value: 0.1 mg/m³
- **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 protection and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:**
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
Filter P2
- **Hand protection**



Protective gloves

To avoid skin problems reduce the wearing of gloves to the required minimum.

Leather 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**
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 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. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Safety glasses

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Solid
- **Colour:** Grey
- **Odour:** Odourless
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** Undetermined.

(Contd. on page 4)
GB



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

Printing date 30.03.2023

Version number 4.4 (replaces version 4.3)

Revision: 30.03.2023

Trade name: Loetlegierung Ecoloy TS
Loetlegierung Ecoloy TS03
Loetlegierung Ecoloy TS08
Loetlegierung Ecoloy TS300
Loetlegierung Ecoloy TS350
Loetlegierung Ecoloy TS350Z
Loetlegierung Ecoloy TS380

(Contd. of page 3)

· Flammability	Not determined.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Kinematic viscosity	
· Dynamic:	Not applicable.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Vapour pressure:	
· Density and/or relative density	
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not applicable.
· 9.2 Other information	
· Appearance:	
· Form:	Solid
· 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:	
· Solids content:	100.0 %
· Change in condition	
· Evaporation rate	Not applicable.
· 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

(Contd. on page 5)
GB



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

Printing date 30.03.2023

Version number 4.4 (replaces version 4.3)

Revision: 30.03.2023

Trade name: **Loetlegierung Ecoloy TS**
Loetlegierung Ecoloy TS03
Loetlegierung Ecoloy TS08
Loetlegierung Ecoloy TS300
Loetlegierung Ecoloy TS350
Loetlegierung Ecoloy TS350Z
Loetlegierung Ecoloy TS380

(Contd. of page 4)

· **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:** No dangerous decomposition products known.

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.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **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**
- **Additional ecological information:**
- **General notes:** Not hazardous for water.

GB
(Contd. on page 6)



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

Printing date 30.03.2023

Version number 4.4 (replaces version 4.3)

Revision: 30.03.2023

Trade name: Loetlegierung Ecoloy TS
Loetlegierung Ecoloy TS03
Loetlegierung Ecoloy TS08
Loetlegierung Ecoloy TS300
Loetlegierung Ecoloy TS350
Loetlegierung Ecoloy TS350Z
Loetlegierung Ecoloy TS380

(Contd. of page 5)

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.

· **Uncleaned packaging:**

· **Recommendation:** Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, ADN, IMDG, IATA** not regulated

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** not regulated

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** not regulated

· **14.4 Packing group**

· **ADR, IMDG, IATA** not regulated

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **UN "Model Regulation":**

not regulated

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **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.

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.

· **Department issuing SDS:** Product Safety Department

· **Contact:** Hr. Dörr

· **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)

(Contd. on page 7)

GB



STANNOL

Page 7/7

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

Printing date 30.03.2023

Version number 4.4 (replaces version 4.3)

Revision: 30.03.2023

Trade name: Loetlegierung Ecoloy TS
Loetlegierung Ecoloy TS03
Loetlegierung Ecoloy TS08
Loetlegierung Ecoloy TS300
Loetlegierung Ecoloy TS350
Loetlegierung Ecoloy TS350Z
Loetlegierung Ecoloy TS380

(Contd. of page 6)

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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

GB