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

Printing date 10.03.2016

Version: 7

Revision: 10.03.2016

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

· 1.1 Product identifier

• Trade name: <u>Alphalot S - C</u>

• Article number: 629030-1

• 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 Brazing alloy

 \cdot 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier:

Schütz Dental GmbH, Dieselstrasse 5-6, D-61191 Rosbach v.d.H. (Germany) Tel.: +49 (0)6003/814-0 Fax: +49 (0)6003/814-900 www.schuetz-dental.de; e-mail: info@schuetz-dental.de

• Further information obtainable from: F&E, Tel. +49 (0)6003/814-100

· 1.4 Emergency telephone number:

+49 (0) 6003 8140 Schütz Dental (8:00 - 17:00 Uhr) or

+49 (0) 6131 19240 Poison Information Center, University Mainz (24 h)

SECTION 2: Hazards identification

 \cdot 2.1 Classification of the substance or mixture

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

· 2.2 Label elements

- · Labelling according to Regulation (EC) No 1272/2008 Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- Description: Metal alloy

CAS: 7440-50-8 EINECS: 231-159-6coppersubstance with a Community workplace exposure limit25-50%CAS: 7440-74-6 EINECS: 231-180.0indiumsubstance with a Community workplace exposure limit2,5-10%	· Dangerous compone	ents:		
CAS: 7440-74-6 indium substance with a Community workplace exposure limit 2,5-10%	CAS: 7440-50-8	copper	substance with a Community workplace exposure limit	25-50%
	EINECS: 231-159-6			
FINECS: 231-180-0	CAS: 7440-74-6	indium	substance with a Community workplace exposure limit	2,5-10%
EINECS. 251-100-0	EINECS: 231-180-0			

• Additional information For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · General information No special measures required.
- · After inhalation Supply fresh air.
- · After skin contact If skin irritation continues, consult a doctor.

· After eye contact Protect unharmed eye.

• After swallowing If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

(Contd. on page 2)

GB

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

Printing date 10.03.2016

Version: 7

Revision: 10.03.2016

Trade name: Alphalot S - C

• **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 Special powder for metal fires. Do not use water.
- · For safety reasons unsuitable extinguishing agents Water.
- 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 Avoid formation of dust.
- · 6.2 Environmental precautions: -
- 6.3 Methods and material for containment and cleaning up: Avoid the development of dust, while collecting the sticks. 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

Extractors are required on all machines used for thermal processing or splinter removal processes.

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

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:

7440-50-8 copper

WEL Short-term value: 2** mg/m³ Long-term value: 0.2* 1** mg/m³ *fume **dusts and mists (as Cu)

7440-74-6 indium

WEL Short-term value: 0.3 mg/m³ Long-term value: 0.1 mg/m³ as In

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

(Contd. on page 3)

GB

(Contd. of page 1)

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

Printing date 10.03.2016

Version: 7

Revision: 10.03.2016

Trade name: Alphalot S - C

(Contd. of page 2)

- 8.2 Exposure controls
 Personal protective equipment
 General protective and hygienic measures Do not eat, drink, smoke or sniff while working. Do not inhale dust / smoke / mist.
- *Respiratory protection:* Not necessary if room is well-ventilated.
- *Use suitable respiratory protective device when high concentrations are present. Short term filter device:*
- Filter P2.
- · **Protection of hands:** Not required.
- · Material of gloves -
- · Penetration time of glove material -
- Eye protection: Safety glasses

SECTION 9: Physical and chemical properties

General Information		
Appearance:	tub og	
Form: Colour:	tubes Yellow	
Odour:	Odourless	
Odour threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/Melting range:	800 - 830 °C	
Boiling point/Boiling range:	undetermined	
Flash point:	Not applicable	
Flammability (solid, gaseous)	Not determined.	
Ignition temperature:		
Decomposition temperature:	Not determined.	
Self-igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapour pressure:	Not applicable.	
Density at 20 °C:	15.8 g/cm ³	
Relative density	Not determined.	
Vapour density	Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
Water:	Not determined	
Partition coefficient (n-octanol/water).	Not determined.	
Viscosity:		
dynamic:	Not applicable.	
kinematic:	Not applicable.	

(Contd. of page 3)

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

Printing date 10.03.2016	Version: 7	Revision: 10.03.2016
--------------------------	------------	----------------------

Trade name: Alphalot S - C

- · Solvent content:
- Organic solvents:
- 9.2 Other information
- 0.0 % *No further relevant information available.*

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.
- \cdot 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- \cdot 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 toxicological effects

- Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:
- 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.
- $\cdot \textit{Additional toxicological information:} Avoid inhalation of grinding dust.$
- · CMR effects (carcinogenity, 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: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- \cdot 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- \cdot General notes: Not known to be hazardous to water.
- · 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 Contact waste processors for recycling information.

 \cdot European waste catalogue

06 04 05* wastes containing other heavy metals

(Contd. on page 5)

GB

(Contd. of page 4)

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

Printing date 10.03.2016	Version: 7	Revision: 10.03.2016

Trade name: Alphalot S - C

· Uncleaned packaging:

· Recommendation:

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

SECTION 14: Transport informat	ion
14.1 UN-Number ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Anne Marpol and the IBC Code	ex II of Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN ''Model Regulation'':	Void

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.

· National regulations

· Technical instructions (air):

Class Share in % III 25-50

• 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 MSDS: F & E

· Contact: Dr. U. Krichbaum

• 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)

ICAO: International Civil Aviation Organisation

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

(Contd. on page 6)

GB

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

Printing date 10.03.2016

Version: 7

Revision: 10.03.2016

Trade name: Alphalot S - C

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 • * Data compared to the previous version altered.

(Contd. of page 5)

GB –