

Trade-name: **Ecoloy ® Tippy**

Date of issue: 28.10.2004

Revised: 12.04.2006

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1. Chemical Identification

Trade-name: **Ecoloy ®-Tippy (leadfree) Cleaner and to tin-plate the head of soldering guns**

Manufacturer: Stannol GmbH
Oskarstr.3-7
42283 Wuppertal
Phone.: 0202 / 5850 sec.phone:-0202 / 585119

Phone: 0202 / 585118

2. Composition/Information of Ingredients

Chemical characteristic: Alloy Tin-Copper, mixed with sand, flux and organic acids

Ingredients

Content	CAS-No.	Symbols	Risk-Phrases	Chemical name
40-50%				Tin / Copper-alloy
1-5%	141-82-2	Xn	22-36	Malonic acid
5-10%	77-92-9	Xi	36	Lemon acid

3. Hazards Identification:

Not a composition for the purposes of the Dangerous Substances Regulations, but nevertheless observe items 7-15

4. First Aid Measures:

In case of contact with skin: If casually is unconscious but breathing, place in the recovery position. If breathing has stopped apply artificial resuscitation or give oxygen by mask.

Inhalation: Remove patient to fresh air

Skin Contact: Wash with soap and water

Eye Contact: Flush immediately with plenty of water

Treatment: Decontamination, symptomatic treatment.

5. Fire Fighting Measures

Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions

6. Accidental Release Measures:

Pick up and place in appropriate container

7. Handling and Storage:

The fumes produced during soldering should be extracted away from the breathing zone of the operators. Ensure the area is well ventilated. Wash hands with soap and warm water after handling, particularly before eating, drinking or smoking. The product should be stored in a dry area.

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8. Exposure Controls / Personal Protection:

Local exhaust and control of process conditions are suitable methods when dust, fumes and vapours are developed. Where engineering controls and work practises are not effective in controlling exposure then suitable respiratory protective equipment should be used

Substance	CAS-No	ml/m ³ (ppm)	mg/m ³	Art
Tin	7440-31-5		2	MAK (NL)
Copper	7440-50-8		1	MAK(DFG)

Respiratory Protection: If concentrations are over the exposure limit, use a supplied air respirator.

Hand Protection: Avoid skin-contact.
We recommend protective gloves according DIN EN 420 of following material::
Glove material: nitrile rubber
Layer thickness: 0,40 mm

One-way -gloves:
Glove material: nitrile rubber
Layer thickness: 0,11mm

The gloves protect temporary (dependant of work). Avoid a long contact and remove the material after wetting and wash up the gloves.

The protective gloves to be used must comply with the specifications EC directive 89/686/EEC and the resultant standard EN374;for example Camatril 730.or Dermatril 740(one-way gloves) from KCL. The breakthrough times stated above were determined by KCL in laboratory tests acc. To EN374 with samples of the recommended glove types.

When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 374 please contact the supplier of CE-approved gloves.(e.g.. KCL GmbH, D-36124 Eichenzell, or www.kcl.de)

Eye Protection: Operators should wear goggles

9. Physical and Chemical Properties

Appearance : Form: solid
Colour: metallic Odour: odourless

Melting Point: > 230 ° C

Vapour Pressure: n.a.

Density(20°C): 7-8 g/cm³

10. Stability and Reactivity:

Dangerous reactions: Possible with oxidising agents.

11. Toxicological Information

Acute Effects: None toxic metal.

12. Ecological Information:

No effect to environment known

13. Disposal Considerations:

Contact a licensed professional waste disposal service to dispose of this material.
Observe all federal, state and local environmental regulations.

14. Transport Information:

GGVS/ADR/RID: The product is not classified as hazardous for transport

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15. Regulatory Information:

Not subject to current legislation

16. Other Information:

Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide..

Safety data-sheet is written by:

Stannol GmbH

Contact-person:

Dr. W. Kruppa