

EU Material Safety Data Sheet according to 91/155/EU

Trade name: Tippy

Date of issue: 16.06.2003

Revised on: 29.01.2007

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1. Chemical Identification

Trade name: **Tippy (Tip-Tinner and Cleaner for Soldering irons)**

Manufacturer: Stannol GmbH
Oskarstr.3-7
42283 Wuppertal
Phone.: ++49 202 / 5850 sec.phone: ++49 202 / 585119
Phone: ++49 202 / 585118

2. Composition/Information of Ingredients

Chemical characteristics: Alloy of tin and lead-powder, mixed with organic acids and sand

Ingredients

Content	CAS-NR.	Symbols	Risk-Phrases	Chemical name
55-65%				Tin/Lead 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 hazardous composition according to current legislation, nevertheless the items 7-15 must be regarded.

4. First Aid Measures:

General : If casualty 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 hands with soap and water after contact. If any irritation resists, obtain medical attention.

Eye Contact: Flush **immediately** with plenty of water. In cases where spitting flux has entered the eye seek medical attention.

After swallow: seek medical attention.

Hints : Inhalation of the flux fumes given off at soldering temperatures will irritate the nose, throat and respiratory system. Repeated or prolonged exposure to flux fumes may cause shortness of breath and cough..

Treatment: Decontamination, symptomatic treatment.

5. Fire Fighting Measures

Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions

Emits toxic fumes under fire conditions.

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6. Accidental Release Measures:

...Avoid inhalation of dusts. Avoid substance contact. Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

7. Handling and Storage:

The product should be stored in a dry area. Avoid temperatures above 500°C

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.

BAT-Value: Lead –concentration blooded:700 µg/l
women below 45 years: 300 µg/l

TLV (treshold limited value) of TRGS 900 see Capitell 2:

Substance	CAS-NR	ml/m ³ (ppm)	mg/m ³	Art
Lead	7439-92-1		0,1	MAK (DFG)
Tin	7440-31-5		2	MAK (NL)

Respiratory Protection: Necessary if there is a risk of exposure to of fumes

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 or a face shield when handling liquid solder or at any other time where there is a risk of splashing

Do not eat, drink or smoke. Before breaks and after work wash hands carefully.

9. Physical and Chemical Properties

Appearance :	Form: solid Colour: grey	Odour: odourless
Melting Point:	>183 (lead)	°C
Vapour Pressure:	Not measurable	
Specific Gravity:	8,5	20 °C
Boiling-point:	1730-1750 (Lead)	1013 mbar

10. Stability and Reactivity:

Incompatibilities

Hazardous combustion or decomposition products:

Strong oxidising agents, strong acids and bases.

No thermal decomposition under conditions of use.

When the product is converted into dust, formation of lead oxide is possible.

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11. Toxicological Information

Acute intoxication by skin contact or ingestion is improbable. There is a risk on high doses. Long term effects occur on inhalation of metal vapours (melts > 500°C) or metal dust.

All following items refer to pure lead

Acute Toxicity

Type	Value in mg/Kg	Form	Species
LD.LO	160	oral	pigeon
LD.LO	1000	ip	rat

LD.LO (oral, pigeon): 160 mg/kg; TD.LO (oral, woman): 450 mg/kg (damage to nervous system); LD.LO (ip., Rat): 1000 mg/kg; TC.LO (inhal., human): 10 mg/m³ ;

12. Ecological Information:

Heavy metals and their compounds are not biodegradable

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

15. Regulatory Information:

Classification and Labelling according to EU-Regulation.: This product is not classified as hazardous material

Germany:

Classification to TA Luft: Dust, inorganic materials, Class III : Max. allowed emissions: 5 mg/m³ (Massenstrom >= 25 g/h)

16. 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:

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