

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

1.1. Product identifier

Product form : Mixture
Trade name : INTERFLUX® TIP TINNER
Product code : MTTIPTIN030

(* All packaging included)

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

1.2.1. Relevant identified uses

Main use category : Reserved for industrial and professional use.
Use of the substance/mixture : Industrial use - Soldering Tip Tinner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Interflux® Electronics N.V.
Eddastraat 51
9042 GENT - Belgium
T +32 9 2514959 - F +32 9 2514970
reach@interflux.com - www.interflux.com

1.4. Emergency telephone number

Emergency number : ++1-703-527-3887 (CHEMTREC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008 (CLP)

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36

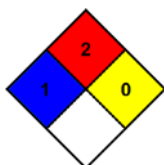
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

Other information

NFPA code : 1-2-0



2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation

Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face 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

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
tin	(CAS N°) 7440-31-5 (EC N°) 231-141-8 (REACH-no) 01-2119486474-28	*)	Not classified
ammonium dihydrogen phosphate	(CAS N°) 7722-76-1 (EC N°) 231-764-5 (REACH-no) 01-2119488166-29	30-40	Not classified
Non-ionic surfactant	(CAS N°) 127036-24-2 (EC N°) *603-182-5 (REACH-no) Registration deadline 2018	5-10	Xi; R41
copper	(CAS N°) 7440-50-8 (EC N°) 231-159-6 (REACH-no) 01-2119480154-42	*)	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
tin	(CAS N°) 7440-31-5 (EC N°) 231-141-8 (REACH-no) 01-2119486474-28	*)	Not classified
ammonium dihydrogen phosphate	(CAS N°) 7722-76-1 (EC N°) 231-764-5 (REACH-no) 01-2119488166-29	30-40	Not classified
Non-ionic surfactant	(CAS N°) 127036-24-2 (EC N°) *603-182-5 (REACH-no) Registration deadline 2018	1-3	Eye Dam. 1, H318
Glycol Ether	(CAS N°) 55934-93-5 (EC N°) 259-910-3 (REACH-no) 01-2119453620-46	1-3	Not classified
copper	(CAS N°) 7440-50-8 (EC N°) 231-159-6 (REACH-no) 01-2119480154-42	*)	Not classified

Full text of R-, H- and EUH-phrases: see section 16

*) Weight dependent on the respective alloy (see alloy overview)

Alloy	Tin % wt	Silver % wt	Copper % wt
Sn99,3Cu0,7	Rest	-	0,7±0.2

SECTION 4: First aid measures

4.1. Description of first aid measures

First aid measures after skin contact : After contact with skin, wash immediately with plenty of warm water and soap.
 First aid measures after eye contact : Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.
 First aid measures after ingestion : Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Irritation of the eye tissue. ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Redness of the eye tissue. In case of splash from hot solder, irritation to the eyes and if not removed, may result in serious injury.
 Symptoms/injuries after inhalation : Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. ON CONTINUOUS EXPOSURE/CONTACT: Irritation of the nasal mucous membranes.
 Symptoms/injuries after eye contact : Irritation of the eye tissue. Redness of the eye tissue. In case of splash from hot solder, irritation to the eyes and if not removed, may result in serious injury.
 Symptoms/injuries after ingestion : AFTER ABSORPTION OF HIGH QUANTITIES: Gastrointestinal complaints.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

Fire hazard : None.

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Maximum storage period : 2 year

Storage temperature : 5 - 32 °C

Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases.

Storage area : Store at ambient temperature. Store in a dry area.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

copper (7440-50-8)		
Belgium	Limit value (mg/m ³)	0,2 mg/m ³
France	VME (mg/m ³)	Cuivre (fumées), 0,2 mg/m ³ ; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	0,2 mg/m ³
The Netherlands	MAC TGG 8H (mg/m ³)	Koper en anorganische koperverbindingen (inhaleerbaar), 0,1 mg/m ³ ; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value; inhalable
United Kingdom	WEL TWA (mg/m ³)	0,2 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	2 mg/m ³

tin (7440-31-5)

EU	IOELV TWA (mg/m ³)	2 mg/m ³
Belgium	Limit value (mg/m ³)	2 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³

8.2. Exposure controls

Personal protective equipment : Gloves. Safety glasses.



Hand protection : The selected protective gloves must meet the specifications of EU Directive 89/686/EEC and EN 374, derived therefrom.

Eye protection : Safety glasses.
 Respiratory protection : Local exhaust is needed at source of vapours.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
 Appearance : Metal / paste.
 Colour : Grey.
 Odour : Mild odour.
 Odour threshold : No data available
 pH : No data available
 Melting point : IEC-EN-61190-1-3: Sn99,3Cu0,7: 227°C
 Freezing point : No data available
 Boiling point : No data available
 Flash point : Not applicable
 Relative evaporation rate (butylacetate=1) : No data available
 Flammability (solid, gas) : No data available
 Explosive limits : No data available
 Vapour pressure : No data available
 Relative vapour density at 20 °C : No data available
 Relative density : 1,7 (Sn99,3Cu0,7: 7.2g/cm³)
 Solubility : Water: Insoluble
 Log Pow : No data available
 Log Kow : No data available

 Self ignition temperature : No data available
 Decomposition temperature : No data available
 Viscosity, kinematic : No data available
 Viscosity, dynamic : No data available
 Explosive properties : No data available
 Oxidising properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Keep away from reducing agents/(strong) acids /(strong) bases.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ammonium dihydrogen phosphate (7722-76-1)

LD50 oral rat	5750 mg/kg (Rat)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit)

ammonium dihydrogen phosphate (7722-76-1)

ATE (oral) 5750,000 mg/kg bodyweight

Skin corrosion/irritation : Not classified
 Serious eye damage/irritation : Causes serious eye irritation.
 Respiratory or skin sensitisation : Not classified
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not classified
 Reproductive toxicity : Not classified
 Specific target organ toxicity (single exposure) : Not classified
 Specific target organ toxicity (repeated exposure) : Not classified
 Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Mild water pollutant (surface water)
 Slightly harmful to fishes (LC50(96h) 100/1000 mg/l)
 According to literature, not bioaccumulative
 Biodegradability in water: no data available

ammonium dihydrogen phosphate (7722-76-1)

LC50 fishes 1 155 ppm (96 h; Pimephales promelas)

tin (7440-31-5)

LC50 fishes 1 0,42 mg/l (672 h; Salmo gairdneri (Oncorhynchus mykiss); Metal ion)
 LC50 other aquatic organisms 1 10 mg/l (144 h, GAMMARUS SP.)
 EC50 Daphnia 1 1,5 mg/l (504 h, DAPHNIA MAGNA)
 EC50 other aquatic organisms 1 21,23 mg/l (96 h, TUBIFEX TUBIFEX)
 LC50 fish 2 0,42 mg/l (672 h, SALMO GAIRDNERI/ ONCORHYNCHUS MYKISS, METAL ION)
 LC50 other aquatic organisms 2 42 mg/l (48 h, DAPHNIA MAGNA)
 EC50 other aquatic organisms 2 140,28 mg/l (48 h, TUBIFEX TUBIFEX, METAL ION)

12.2. Persistence and degradability

copper (7440-50-8)

Persistence and degradability Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.
 Biochemical oxygen demand (BOD) Not applicable
 Chemical oxygen demand (COD) Not applicable
 ThOD Not applicable
 BOD (% of ThOD) Not applicable

tin (7440-31-5)

Persistence and degradability Biodegradability: not applicable. Adsorbs into the soil.
 Biochemical oxygen demand (BOD) Not applicable
 Chemical oxygen demand (COD) Not applicable
 ThOD Not applicable
 BOD (% of ThOD) Not applicable

12.3. Bioaccumulative potential

ammonium dihydrogen phosphate (7722-76-1)

Bioaccumulative potential Not bioaccumulative.

copper (7440-50-8)

Bioaccumulative potential No bioaccumulation data available.

tin (7440-31-5)

BCF fish 1 < 0,00036 (Pisces; Dry weight)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Ecology - waste materials : Do not discharge into surface water. Do not discharge into the sewer. Remove to an authorized incinerator equipped with an. afterburner and a flue gas scrubber.

SECTION 14: Transport information

No dangerous good in sense of transport regulations

Additional rules to be obtained at Interflux® Electronics NV

Remark:

Above mentioned regulations are in force at the moment of publication of this (SDS) safety data sheet. With reference to possible modifications in transport regulations of dangerous goods, we advise you to verify its validity at Interflux® Electronics NV.

SECTION 15: Regulatory information

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

15.1.1. EU Regulations

Contains no REACH candidate substance

EURAL code : 10 08 11, 15.01.10*

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Other information : Intrastat code 3810 10 00.

Full text of R-, H- and EUH-phrases::

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H318	Causes serious eye damage
R41	Risk of serious damage to eyes
R36	Irritating to eyes
Xi	Irritant

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

DISCLAIMER

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each such product for their particular purposes. The products discussed are sold without such warranty, either expressed or implied.

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