

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(Interflux) – OTR02/SB (ERSA)
 (* 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 : Industrial use
 Use of the substance/mixture : Industrial use - Soldering Tip Tinner

Title	Use descriptors
Industrial uses: Uses of substances as such or in preparations* at industrial sites	SU0, SU14, PC38

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

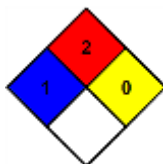
Full text of H statements : see section 16

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

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Other hazards not contributing to the classification : Work under local exhaust/ventilation.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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) Polymer	5-10	Eye Dam. 1, H318
copper	(CAS N°) 7440-50-8 (EC N°) 231-159-6 (REACH-no) 01-2119480154-42	*)	Aquatic Acute 1, H400

Full text of H-statements: 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±0.1

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/effects : 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/effects 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 INGESTION 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

Suitable extinguishing media : Extinguishing media. Carbon dioxide. Dry chemical, soda ash, lime or sand.

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

Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Carefully collect the spill/leftovers. Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.

Other information : Upon burning: formation of metallic fumes/vapours.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Comply with the legal requirements. Avoid breathing fume. Wash hands immediately after handling the product. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection.

Hygiene measures : Always wash hands and face immediately after handling this product, and once again before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Maximum storage period : 2 year

Storage temperature : 5 - 32 °C

Information on mixed storage : KEEP SUBSTANCE AWAY FROM: Keep away from oxidizing agents. Strong acids, strong bases and strong oxidants. (strong) bases.

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

7.3. Specific end use(s)

REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number).

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 1 mg/m ³
France	VLE (mg/m ³)	2 mg/m ³
France	VME (mg/m ³)	0.2 mg/m ³ 1 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	0.2 mg/m ³ 1 mg/m ³
Netherlands	Grenswaarde TGG 8H (mg/m ³)	0.1 mg/m ³ (inhaleerbaar)
United Kingdom	WEL TWA (mg/m ³)	0.2 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
Netherlands	Grenswaarde TGG 8H (ppm)	2 ppm

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/cm ³)
Solubility	: Water: Insoluble
Log Pow	: No data available
Log Kow	: No data available
Auto-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	> 2000 mg/kg bodyweight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 5000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 inhalation rat (mg/l)	> 5 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Read-across, Inhalation (dust), 14 day(s))

tin (7440-31-5)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 4.75 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))

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
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Slightly or not bioaccumulative.
Ecology - water	: Mild water pollutant (surface water). Slightly harmful to fishes (LC50(96h) 100-1000 mg/l).

ammonium dihydrogen phosphate (7722-76-1)

LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 (algae)	> 97.1 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

copper (7440-50-8)

LC50 fish 1	38.4 - 256.2 µg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Read-across)
EC50 Daphnia 1	3.8 - 118.5 µg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Weight of evidence)

tin (7440-31-5)

LC50 fish 1	> 12.4 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, GLP)
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)
ErC50 (algae)	> 19.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Salt water, Experimental value, GLP)

12.2. Persistence and degradability

ammonium dihydrogen phosphate (7722-76-1)

Persistence and degradability	Biodegradability in water: no data available.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

copper (7440-50-8)

Persistence and degradability	Biodegradability: 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.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

ammonium dihydrogen phosphate (7722-76-1)

Bioaccumulative potential : Not bioaccumulative.

copper (7440-50-8)

Bioaccumulative potential : Bioaccumulation: not applicable.

tin (7440-31-5)

Bioaccumulative potential : Not bioaccumulative.

12.4. Mobility in soil

ammonium dihydrogen phosphate (7722-76-1)

Ecology - soil : No (test) data on mobility of the substance available.

copper (7440-50-8)

Ecology - soil : Adsorbs into the soil.

tin (7440-31-5)

Ecology - soil : Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

INTERFLUX® TIP TINNER

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

ammonium dihydrogen phosphate (7722-76-1)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

copper (7440-50-8)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

tin (7440-31-5)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
- Product/Packaging disposal recommendations : Do not discharge into the sewer. Do not discharge into surface water. Recycle/reuse.
- 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.
- EURAL code : 10 08 11 - dross and skimmings other than those mentioned in 10 08 10
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

- UN-No. (ADR) : Not applicable
- UN-No. (IMDG) : Not applicable
- UN-No. (IATA) : Not applicable
- UN-No. (ADN) : Not applicable
- UN-No. (RID) : Not applicable

14.2. UN proper shipping name

- Proper Shipping Name (ADR) : Non-hazardous goods
- Proper Shipping Name (IMDG) : Not applicable
- Proper Shipping Name (IATA) : Not applicable
- Proper Shipping Name (ADN) : Not applicable
- Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Transport regulations (ADR) : Not subject

- Transport by sea

Transport regulations (IMDG) : Not subject

- Air transport

Transport regulations (IATA) : Not subject

- Inland waterway transport

No data available

- Rail transport

Transport regulations (RID) : Not subject

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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 substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

- Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
- WGK remark : Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005
- 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

- SZW-lijst van kankerverwekkende stoffen : None of the components are listed
- SZW-lijst van mutagene stoffen : None of the components are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out

SECTION 16: Other information

Other information : Intrastat code 3810 10 00.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

Full text of use descriptors

PC38	Welding and soldering products, flux products
SU0	Other
SU14	Manufacture of basic metals, including alloys

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.

Copyrights reserved to Interflux® Electronics NV