



IF 14-06, IF14-09, IF14-14 Leaded, Halide Free, No-Clean Solder Wire

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 12.02.1998 Revision date: 10.01.2023 Supersedes version of: 10.08.2020 Version: 13.0

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

1.1. Product identifier

Product form : Mixture
Trade name : IF 14-06, IF14-09, IF14-14 Leaded, Halide Free, No-Clean Solder Wire
UFI : 95M0-3R44-4E7A-D4EP
K3NK-49PY-Q20Q-JAYS
Product code : SW06*, SW09*, SW14*
Type of product : Alloy, Mixture
Other means of identification : Sn60 | Sn60Pb40
Sn63 | Sn63Pb37
Sn62 | Sn62Pb36Ag2
Sn60Pb38Cu2

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
Industrial/Professional use spec : Industrial
Use of the substance/mixture : Solder wire
Function or use category : Welding and soldering products, flux products

Title	Use descriptors
Manufacture of basic metals, including alloys	SU0, SU14, SU16, PC7, PC38

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Interflux® Electronics nv N.V.
Eddastraat, 51
BE- 9042 Gent - BELGIUM – Belgium
T +32 9 2514959
reach@interflux.com - www.interflux.com

1.4. Emergency telephone number

Emergency number : Toll Free: +1-800-424-9300 Local: +1-703-527-3887 (CHEMTREC) (USA-Canada-ASIA)
24hr/day 7days/week Chemical Emergency

Country	Organisation/Company	Address	Emergency number	Comment
Germany	Giftnotruf der Charité - Universitätsmedizin Berlin CBF, Haus VIII (Wirtschaftgebäude), UG	Hindenburgdamm 30 12203	+49 (0) 30 19240	



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Country	Organisation/Company	Address	Emergency number	Comment
Germany	Informationszentrale gegen Vergiftungen Klinik und Poliklinik für Allgemeine Pädiatrie, Zentrum für Kinderheilkunde, Universitätsklinikum Bonn	Gebäude 30, ELKI (Eltern- Kind-Zentrum) Venusberg-Campus 1 53127	+49 (0) 228 19 240	
Germany	Giftnotruf Erfurt Gemeinsames Giftnormationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen, c/o HELIOS Klinikum Erfurt	Nordhäuser Straße 74 99089	+49 (0) 361 730 730	
Germany	Vergiftungs-Informations-Zentrale Universitätsklinikum Freiburg, Zentrum für Kinder- und Jugendmedizin	Breisacher Str. 86b 79110	+49 (0) 761 19240	
Germany	Giftnormationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord) Universitätsmedizin Göttingen - Georg- August-Universität	Robert-Koch Straße 40 37075	+49 (0) 551 19240	
Germany	Giftnormationszentrum der Länder Rheinland-Pfalz und Hessen Klinische Toxikologie, Universitätsmedizin der Johannes Gutenberg-Universität Mainz	Langenbeckstraße 1 Gebäude 601 55131	+49 (0) 6131 19240	
Germany	Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der Technischen Universität München	Ismaninger Straße 22 81675	+49 (0) 89 19240	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Reproductive toxicity, Category 1A H360

Specific target organ toxicity – Repeated exposure, Category 1 H372

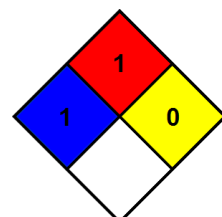
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

Other information

- NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.





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2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) :

Danger

Contains :

lead, in massive state

Hazard statements (CLP) :

H360 - May damage fertility or the unborn child.

H362 - May cause harm to breast-fed children.

H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP) :

P263 - Avoid contact during pregnancy and while nursing.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

EUH-statements :

EUH201A - Warning! Contains lead.

2.3. Other hazards

Other hazards which do not result in classification :

This product may become hazardous in use and the information in this data sheet reflects the hazards associated with solder operations. Increased danger of lead pollution if the metal is overheated or if the metal is oxidized (risk of formation of dust and fumes). Lead oxides are classified as toxic to reproduction (EC). Swallowing of metal alloys is harmful to health.

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

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
lead, in massive state (7439-92-1)	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
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
silver, massive form (> 1 mm) (7440-22-4)	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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
lead, in massive state(7439-92-1)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605



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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	52-72	Not classified
lead, in massive state substance listed as REACH Candidate (Lead)	CAS N°: 7439-92-1 EC N°: 231-100-4 REACH-no: 01-2119513221-59	26-46	Repr. 1A, H360D STOT RE 1, H372
silver, massive form (> 1 mm)	CAS N°: 7440-22-4 EC N°: 231-131-3 REACH-no: 01-2119555669-21	0-3	Not classified
copper	CAS N°: 7440-50-8 EC N°: 231-159-6 REACH-no: 01-2119480154-42	0-3	Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Flux incorporated IF 14	-	0,6-0,9-1,4	Not classified

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First aid measures after inhalation	: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First aid measures after skin contact	: The melted product adheres to the skin and causes burns.
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	: Do NOT induce vomiting. Give milk instead of water if readily available. Immediately after ingestion: give lots of water to drink. Get medical advice/attention if you feel unwell.

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

Symptoms/effects	: Handle in accordance with good industrial hygiene and safety practice.
Symptoms/injuries after inhalation	: Risk of damage to lungs exceeds poisoning risk.
Symptoms/effects after skin contact	: The melted product adheres to the skin and causes burns.
Symptoms/effects after eye contact	: Causes serious eye irritation. Causes serious eye burns.
Symptoms/injuries after ingestion	: Symptoms similar to those listed under inhalation. Damage to kidneys.

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

No additional information available



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : D-powder, dry sand.
Unsuitable extinguishing media : In the event of contact with molten product : hot surfaces. Never use water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None.
Explosion hazard : Risk of explosion if heated under confinement. No data available.
Reactivity in case of fire : On burning formation of metallic fumes.

5.3. Advice for firefighters

Precautionary measures fire : Consider evacuation. Keep upwind.
Firefighting instructions : Dilute combustible/toxic gases/vapours with water spray. Collect and contain contaminated absorbent and dike material for disposal.
Protection during firefighting : Heat/fire exposure: compressed air/oxygen apparatus.
Other information (fire fighting) : Not combustible.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Not applicable.

6.1.1. For non-emergency personnel

Protective equipment : protective clothing. See "Material-Handling" to select protective clothing.
Emergency procedures : No naked flames. Mark the danger area.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : If melted; allow liquid to solidify before taking it up.
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

Additional hazards when processed : Vapours produced during soldering operations.
Precautions for safe handling : Comply with the legal requirements. Avoid breathing fume. Wash hands immediately after handling the product. Observe very strict hygiene - avoid contact. 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.



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7.2. Conditions for safe storage, including any incompatibilities

Maximum storage period	: Unlimited
Storage temperature	: Store at ambient temperature
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

8.1.1 National occupational exposure and biological limit values

lead, in massive state (7439-92-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	0,15 mg/m ³ (Inorganic lead and its compounds; EU; Time-weighted average exposure limit 8 h; Binding occupational exposure limit value)
tin (7440-31-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	2 mg/m ³
silver, massive form (> 1 mm) (7440-22-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	0,1 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Solder alloys containing lead do not give lead fumes at normal soldering temperatures, only at t° above 500°C. Provide local exhaust or general room ventilation.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Heat resistant gloves if handling hot metal. Safety glasses.



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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

In case of risky circumstances: safety glasses or face shield

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing and gloves.

Hand protection:

The selected protective gloves must meet the specifications of EU Directive 89/686/EEC and EN 374, derived therefrom. In case of repeated or prolonged contact wear gloves. Wear suitable gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Work under local exhaust/ventilation. In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Consumer exposure controls:

The need for personal protective equipment should be based on a workplace risk assessment for the particular use.

Other information:

Do not eat, drink or smoke when using this product. Observe strict hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: silvery.
Appearance	: wire.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: IEC-EN-61190-1-3: Sn63Pb37: 183°C, Sn60Pb40: 183°C-191°C, Sn62Pb36Ag2: 179°C, Sn5Pb94Ag1: 296°C-301°C, Sn60Pb38Cu2: 183°C-191°C
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: (Flux) 170 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not relevant
pH 5 % aq. solution	: Not available
Viscosity, kinematic	: Not applicable



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Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Sn63Pb37: 8.4g/cm ³ , Sn60Pb40: 8.5g/cm ³ , Sn62PbAg2: 8.5g/cm ³
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Other properties : Not soluble in water, so only minimally biodegradable, insoluble in water

SECTION 10: Stability and reactivity

10.1. Reactivity

Burning time for metal powders or metal alloys (s). On burning formation of metallic fumes.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

High temperatures. The inhalation of emissions containing a high concentration of metallic oxides may cause, during the following 12 hours, transient febrile states. Metallic oxides.

10.5. Incompatible materials

Oxidizing agents and strong acids.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified



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lead, in massive state (7439-92-1)	
LD50 oral rat	> 2000 mg/kg bodyweight (Rat; Weight of evidence)
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)

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, 15 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 4,75 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))

silver, massive form (> 1 mm) (7440-22-4)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Powder, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Nanoform, Dermal, 15 day(s))
LC50 Inhalation - Rat	> 5,16 mg/l air (OECD 436: Acute inhalation toxicity-acute toxic class method, 4 h, Rat, Male / female, Experimental value, Powder, Inhalation (dust), 14 day(s))

Skin corrosion/irritation	: Not classified pH: Not relevant
Serious eye damage/irritation	: Not classified pH: Not relevant
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

lead, in massive state (7439-92-1)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: May damage fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.

lead, in massive state (7439-92-1)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Not biodegradable. Do not dispose of this product into the environment. Do not dispose of waste into sewer.
Ecology - air	: Not dangerous for the ozone layer. Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 842/2006). TA-Luft Klasse 5.2.2/II.
Ecology - water	: Maximum concentration in drinking water: 0.010 mg/l (lead) (Directive 98/83/EC).



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Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

tin (7440-31-5)	
EC50 72h - Algae [1]	> 19,2 µg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Salt water, Experimental value, Growth rate)
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 - Crustacea [1]	3,8 – 118,5 µg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Weight of evidence)

12.2. Persistence and degradability

lead, in massive state (7439-92-1)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
ThOD	Not applicable (inorganic)

tin (7440-31-5)	
Persistence and degradability	Not applicable. Biodegradability.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

silver, massive form (> 1 mm) (7440-22-4)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

copper (7440-50-8)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

lead, in massive state (7439-92-1)	
Partition coefficient n-octanol/water (Log Pow)	0,73 (estimated)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

tin (7440-31-5)	
Bioaccumulative potential	not bioaccumulable.



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silver, massive form (> 1 mm) (7440-22-4)	
BCF - Fish [1]	70 (30 day(s), Cyprinus carpio, Fresh water, Literature study)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). not bioaccumulable.
copper (7440-50-8)	
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Mobility in soil

tin (7440-31-5)	
Surface tension	No data have been developed on this subject
Ecology - soil	Adsorbs into the soil.
silver, massive form (> 1 mm) (7440-22-4)	
Ecology - soil	No (test)data on mobility of the substance available. Adsorbs into the soil.
copper (7440-50-8)	
Ecology - soil	Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

IF 14-06, IF14-09, IF14-14 Leaded, Halide Free, No-Clean Solder Wire	
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. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Ecological information

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 dispose of waste into sewer. Do not use where release to drains (sewer) and/or surface water cannot be prevented. Refer to manufacturer/supplier for information on recovery/recycling.
Ecology - waste materials	: Recycle/reuse. Packaging containing residues of or contaminated by dangerous substances. LWCA (the Netherlands): KGA category 05. To be disposed of as hazardous waste. Hazardous waste (91/689/EEC). Do not discharge into surface water. Do not dispose of waste into sewer.
EURAL code	: 10 04 02* - dross and skimmings from primary and secondary production

SECTION 14: Transport information

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



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14.1. UN number or ID 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)	: Not applicable
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



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Inland waterway transport

No data available

Rail transport

Transport regulations (RID) : Not subject

14.7. Maritime transport in bulk according to IMO instruments

IBC code : Not applicable.
 Remarks : 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

EU restriction list (REACH Annex XVII)

Reference code	Applicable on
63.	lead, in massive state

Contains substance(s) listed on the REACH Candidate List in concentrations $\geq 0.1\%$ or SCL: Lead (EC 231-100-4, CAS 7439-92-1)
 Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
 Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
 Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
 Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)
 Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
 Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK nwg, Non-hazardous to water (Classification according to AwSV, Annex 1)
 Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
 Storage class (LGK, TRGS 510) : LGK 13 - Non-combustible solids

15.2. Chemical safety assessment

Chemical safety assessments for substances in this preparation were carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
EUH201A	Warning! Contains lead.
H360	May damage fertility or the unborn child.
H360D	May damage the unborn child.



IF 14-06, IF14-09, IF14-14 Leaded, Halide Free, No-Clean Solder Wire

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:	
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
Repr. 1A	Reproductive toxicity, Category 1A
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1

Full text of use descriptors	
PC38	Welding and soldering products, flux products
PC7	Base metals and alloys
SU0	Other
SU14	Manufacture of basic metals, including alloys
SU16	Manufacture of computer, electronic and optical products, electrical equipment

Safety Data Sheet (SDS), EU - Interflux

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