Content

1. Chemical Product and Company Identification

Model No.:

No.	Description
51062	LZ 0.56 100 g
51063	LZ 0.56 250 g
51068	LZ 1.0 1000 g
51065	LZ 1.0 100 g
51061	LZ 1.0 17 g
51066	LZ 1.0 250 g
51067	LZ 1.0 500 g
51069	LZ 1.5 250 g
51070	LZ 1.5 500 g

Description: Solder; Ø0.56-1.50_60/40

EU-Importer: Wentronic GmbH
Brand: Fixpoint®
Pillmannstraße 12
38112 Braunschweig
Germany

Phone: +49 (0) 531 / 210 58 0
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Emergency Telephone:	+49 (0) 700 / 24 112 112	Supplier Code:	**#811**
Prepared by:	TF	Checked and approved by:	HH
Creation Date:	2017-11-08	Version:	1.0
Revision date:	2018-02-12	Version:	2.0

2. Hazards Identification

2.1 Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335	May cause respiratory irritation.
Acute Tox. 4	H302	Harmful if swallowed
	H332	Harmful if inhaled
Carc. 2	H351	Suspected of causing cancer
Repr. 1A	H360FD	Can affect fertility. May damage the unborn child.
	H362	May cause harm to breastfed babies.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure
Aquatic Acute 1	H400	Very toxic to aquatic life.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.

2.2 Labeling elements

The substance is classified and labeled in accordance with the CLP Regulation (EC) No. 1272/2008 and 1179/2016.
Labels and signal words are NOT required for this product in accordance with section 1.3.4 of Annex I to the CLP Regulation 1272/2012/EC up to 2018-02-28.

2.4 Hazard pictograms


GHS07


GHS08


GHS09

2.5 Signal word:

DANGER

2.6 Hazard statements

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H302 Harmful if swallowed
H332 Harmful if inhaled
H351 Suspected of causing cancer
H360 May damage fertility or the unborn child
H373 May cause damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

2.7 Safety instructions

P201 Obtain special instructions before use.
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
P273 Avoid release to the environment.

P304 + P340 + P312	IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If feeling unwell, call a POISON CENTER or doctor.
P308 + P313	IF exposed or concerned:	Get medical advice/attention.
P391 Collect spillage.		
P305 + P351 + P338	IF IN EYES:	No special measures required. Rinse cautiously with water for several minutes. Remove contact lenses, if possible. Continue rinsing.

2.8 Other dangers

Chemicals are characterized by special risks. They are therefore only to be handled by appropriately trained personnel with the necessary care.
Only for commercial users.

3. Composition / Information on Ingredient

The composition is an admixture.

Chemical Name	In % by Weight	CAS No.	EC No.
Tin	59-61	7440-31-5	231-141-8
Lead	37-39	7439-92-1	231-100-4
Copper	1.5-2.5	7440-50-8	231-159-6
Rosin	≤2.5	65997-06-0	266-041-3

4. First Aid Measures

4.1 Description of first aid measure:

Skin touch: Immediately wash with soap and rinse.

Eyes contact: Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.
Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately.
Keep the respiratory tract smooth.
Use oxygen if available.
Get medical aid.

Ingestion: Drink sufficient hot water and induce vomiting.
Get medical aid.

4.2 Indication of any immediate medical attention and special treatment needed:

No data available.

5. Fire Fighting Measures

5.1 Danger characteristic:

No data available.

5.2 Hazardous combustion products:

Lead oxide, Zn oxide

5.3 Fire-Fighting media:

Dry chemical, carbon dioxide, sandy soil

5.4 Further information:

No data available.

6. Accidental Release Measures

6.1 Emergency treatment:

Use personal protective equipment.
Avoid dust formation.
Do not inhale vapors / mist / gas.
Ensure adequate ventilation. To bring people to safety. Avoid inhalation of dust.
Personal protective equipment, see section. 8.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.
Do not empty into drains.
An entry into the environment should be avoided.

7. Handling and Storage

7.1 Handling attention:

Avoid contact with eyes and skin. Avoid dust and aerosol formation.
Provide suitable ventilation when forming dust.

7.2 Storage attention:

Store in a cool place. Keep container tightly closed in a dry, well-ventilated place.

8. Exposure Controls, Personal Protection

8.1 Respiratory protection:

Keep the work place well ventilated, wear qualified mask or face mask at work time.

8.2 Eyes protection:

Keep the work place well ventilated.

8.3 Body protection:

Wear work clothes, pay attention to protect bare skin.
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.

8.4 Hands protection:

Wear gloves.

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Slivery solid
Odor:	Odorless
Boiling Point/ Boiling Range:	No data available
Melting Point/ Melting Range:	195 / 183 °C
Flash Point:	No data available
Flammability (solid, gaseous):	No data available
Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Self-igniting:	Not applicable
Danger of Explosion:	No data available
Density:	8.5 g/cm³ （20 °C）
Evaporation Rate:	No data available
Solubility in/ Miscibility with Water:	Insoluble in water
Acid Value:	No data available
PH Value:	No data available
Partition Coefficient (n-octanol/ water):	Not applicable

9.2 Other information:

None.

10. Stability and Reactivity

10.1 Stability:

Stable under the condition of normal operation and storage stability.

10.2 Reactivity:

No hazardous reaction under normal use.

10.3 Condition s to avoid:

High temperatures.

10.4 Conditions to Avoid:

Heat source, fire.

10.5 Incompatible substances:

Strong acid/alkali

10.6 Hazardous Decomposition Products:

Carbonic oxide, carbon dioxide

11. Toxicological Information

11.1 Acute Toxicity:

LD50:	per oral, rat:	5mg/kg (IUCLID)
LD50：	per skin, hare	unknown
LC50：	inhalation, rat:	40,000 ppm 4 hr. (RTECS)

11.2 Sub-acete and Chronic Toxicity:

No data available

11.3 Irritation:

No data available

11.4 Sensitization:

No data available

11.5 Mutagenicity:

No data available

11.6 Carcinogenicity:

No data available

11.7 Others:

Harmful by inhalation and if swallowed.

12. Ecological Information

12.1 Eco-toxicity:

No data available

12.2 Biodegradable:

No data available

12.3 Non-biodegradable:

No data available

12.4 Bioconcentr. or biological accumulation:

No data available

12.5 Other harmful effects:

None

13. Disposal Considerations

13.1 Nature of waste:

./.

13.2 Waste disposal methods:

Refer to National or Local regulations before handling.

Remaining quantities and not recyclable respectively. These products should be dissolved in or mixed with a flammable solvent and to incinerate in a chemical incinerator (with afterburner and fume scrubber).

13.3 Attention abandoned:

Do not allow product to reach sewage system.

14. Regulatory Information

14.1 UN Number:

ADR/RID/IMDG/IATA: 3077 (Lead)

14.2 UN Shipping Mark:

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14.3 Transport hazard class:

./. No dangerous goods.

14.4 Packaging class:

./. No dangerous goods.

No transport marking or labeling, no transport document, no IMO, no DGD.
M/packaging <5 kg
No dangerous goods.

15. Regulatory Information

Regulation (EC) No 1907/2006- Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Regulation (EC) No 1272/2008-Classification, Labelling and Packaging of Substances and Mixtures.

16. Additional Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.