



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830

## SAFETY DATA SHEET

Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

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

#### 1.1 Product identifier

**Product name** : Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg  
**Product code** : 162914  
**Product description** : Not available.  
**Product type** : Solid.

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

Restricted to professional users.

**Material uses** : soldering

#### 1.3 Details of the supplier of the safety data sheet

**Supplier** : Alpha Fry Ltd  
2 Genesis Business Park  
Albert Drive  
Sheerwater  
Woking GU21 5RW

**Information contact** : +44 1483 758400

europaeregulatory@macdermid.com

#### 1.4 Emergency telephone number

##### Supplier

**Telephone number** : +44 1483 758400  
**Hours of operation** : 24/7

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

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

Not classified.

**Ingredients of unknown toxicity** :

**Ingredients of unknown ecotoxicity** :

Classification according to Directive 1999/45/EC [DPD]

Europe

**Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg**

## SECTION 2: Hazards identification

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** :

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

#### Precautionary statements

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazardous ingredients** :




**Supplemental label elements** : Safety data sheet available on request.

### 2.3 Other hazards

**Other hazards which do not result in classification** : None known.











## SECTION 3: Composition/information on ingredients

**Substance/mixture** : Mixture

Product/ingredient name	Identifiers	%	<u>Classification</u>		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
<b>Europe</b>  lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Austria</b>  in	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Belgium</b>  in	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Bulgaria</b>					








**Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg**

## SECTION 3: Composition/information on ingredients

 <b>Croatia</b>	lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
 <b>Czech Republic</b>	lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
 <b>Denmark</b>	lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
 <b>Estonia</b>	lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
 <b>Finland</b>	tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
 <b>France</b>	lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
 <b>Germany</b>	lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
 <b>Greece</b>	tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
 <b>Hungary</b>	lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
 <b>Hungary</b>	lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]








Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

### SECTION 3: Composition/information on ingredients

<b>Ireland</b>					
tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - <75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - <50	Not classified.	Not classified.	[2]
<b>Italy</b>					
 lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Latvia</b>					
 lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Lithuania</b>					
 lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Netherlands</b>					
 tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Norway</b>					
 lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Poland</b>					
 tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Portugal</b>					
 tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Romania</b>					

Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

### SECTION 3: Composition/information on ingredients

 lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Slovakia</b>					
 lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Slovenia</b>					
 tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Spain</b>					
 tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Sweden</b>					
 tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Switzerland</b>					
 lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]
<b>Turkey</b>					
tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - <75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - <50	Not classified.	Not classified.	[2]
<b>United Kingdom (UK)</b>					
 tin	REACH #: 01-2119486474-28 EC: 231-141-8 CAS: 7440-31-5	≥50 - ≤75	Not classified.	Not classified.	[2]
lead	REACH #: 01-2119513221-59 EC: 231-100-4 CAS: 7439-92-1	≥25 - ≤50	Not classified.	Not classified.	[2]

**Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg**

### SECTION 3: Composition/information on ingredients

Rosin, hydrogenated	REACH #: 01-2119487113-41 EC: 266-041-3 CAS: 65997-06-0	≤3	Not classified.	Not classified.	[2]
---------------------	--	----	-----------------	-----------------	-----

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

##### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : No specific fire or explosion hazard.

**Hazardous combustion products** : Decomposition products may include the following materials:  
metal oxide/oxides

### 5.3 Advice for firefighters

**Special precautions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

**Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg**

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

- : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### 7.3 Specific end use(s)





- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters











#### Occupational exposure limits

Product/ingredient name	Exposure limit values
<b>Europe</b>  lead	<b>EU OEL (Europe, 12/2009). Notes: list of binding occupational exposure limit values</b> TWA: 0.15 mg/m <sup>3</sup> 8 hours.
<b>Austria</b>  lead	<b>GKV_MAK (Austria, 12/2011).</b> PEAK: 4 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. Form: Inhalable fraction TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction <b>GKV_MAK (Austria, 12/2011).</b> TWA: 0.1 mg/m <sup>3</sup> , (measured as Pb) 8 hours. Form: Inhalable fraction PEAK: 0.4 mg/m <sup>3</sup> , (measured as Pb), 4 times per shift, 15 minutes. Form: Inhalable fraction
<b>Belgium</b>  lead	<b>Lijst Grenswaarden / Valeurs Limites (Belgium, 4/2014). Absorbed through skin.</b> TWA: 2 mg/m <sup>3</sup> 8 hours. <b>Lijst Grenswaarden / Valeurs Limites (Belgium, 4/2014). Notes: as Pb</b> TWA: 0.15 mg/m <sup>3</sup> , (as Pb) 8 hours. Form: Dust and fumes
<b>Bulgaria</b>  lead	<b>България Министерство на труда и социалната политика и Министерството на здравеопазването (Bulgaria, 1/2012).</b> Limit value 8 hours: 0.05 mg/m <sup>3</sup> 8 hours.
<b>Croatia</b>	













Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

## SECTION 8: Exposure controls/personal protection

 Lead	<b>MinGoRP GVI/KGVI (Croatia, 6/2013).</b> ELV: 0.15 mg/m <sup>3</sup> , (as Pb) 8 hours.
<b>Czech Republic</b>	
 Lead	<b>NVCR PEL/NPK-P (Czech Republic, 1/2016).</b> TWA: 0.05 mg/m <sup>3</sup> 8 hours. STEL: 0.2 mg/m <sup>3</sup> 15 minutes.
<b>Denmark</b>	
 Lead	<b>Arbejdstilsynet (Denmark, 10/2012). Notes: calculated as Pb</b> TWA: 0.05 mg/m <sup>3</sup> , (calculated as Pb) 8 hours. Form: powder, dust, fume
<b>Estonia</b>	
 Lead	<b>Töökeskonna keemiliste ohutegurite piirnormid määrus nr 293 (Estonia, 1/2008).</b> TWA: 0.05 mg/m <sup>3</sup> , (calculated as Pb) 8 hours. Form: Respirable dust TWA: 0.1 mg/m <sup>3</sup> , (calculated as Pb) 8 hours. Form: Total dust
<b>Finland</b>	
 Tin	<b>Työterveyslaitos (Finland, 2002).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. <b>Työterveyslaitos, Sosiaali- ja terveysministeriö (Finland, 3/2014). Notes: calculated as Sn</b> TWA: 2 mg/m <sup>3</sup> , (calculated as Sn) 8 hours. <b>Työterveyslaitos, Sosiaali- ja terveysministeriö (Finland, 3/2014).</b> TWA: 0.1 mg/m <sup>3</sup> , (calculated as Pb) 8 hours.
lead	
<b>France</b>	
 Lead	<b>Ministère du travail (France, 3/2016). Notes: Labour Act , Art 4412-149 (Regulatory binding exposure limits)</b> TWA: 0.1 mg/m <sup>3</sup> , (as Pb) 8 hours.
<b>Germany</b>	
 Lead	<b>EU OEL (Europe, 12/2009). Notes: list of binding occupational exposure limit values</b> TWA: 0.15 mg/m <sup>3</sup> 8 hours.
<b>Greece</b>	
 Tin	<b>Υπουργείο Εργασίας και Κοινωνικών Υποθέσεων (Greece, 2/2012).</b> TWA: 2 mg/m <sup>3</sup> 8 hours.
lead	<b>EU OEL (Europe, 12/2009). Notes: list of binding occupational exposure limit values</b> TWA: 0.15 mg/m <sup>3</sup> 8 hours.
<b>Hungary</b>	
 Lead	<b>25/2000. (IX. 30.) EüM-SzCsM együttes rendelet (Hungary, 12/2011). Skin sensitiser. Notes: as Pb</b> TWA: 0.15 mg/m <sup>3</sup> , (as Pb) 8 hours. Form: Respirable
<b>Ireland</b>	
tin	<b>NAOSH (Ireland, 12/2011).</b> OELV-8hr: 2 mg/m <sup>3</sup> , (as Sn) 8 hours.
lead	<b>NAOSH (Ireland, 12/2011).</b> OELV-8hr: 0.15 mg/m <sup>3</sup> 8 hours.
<b>Italy</b>	
 Lead	<b>Ministry of Labour and Social Policy (Italy, 10/2013).</b> 8 hours: 0.15 mg/m <sup>3</sup> 8 hours.
<b>Latvia</b>	

Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

## SECTION 8: Exposure controls/personal protection

 Lead	<b>Ministru kabineta noteikumi Nr.325 - AER (Latvia, 6/2015).</b> TWA: 0.005 mg/m <sup>3</sup> , (as lead) 8 hours. STEL: 0.01 mg/m <sup>3</sup> , (as lead) 15 minutes.
<b>Lithuania</b>  Lead	<b>Lietuvos Higienos Normos HN 23 (Lithuania, 10/2007).</b> TWA: 0.07 mg/m <sup>3</sup> , (as Pb) 8 hours. Form: Respirable fraction TWA: 0.15 mg/m <sup>3</sup> , (as Pb) 8 hours. Form: Inhalable fraction
<b>Netherlands</b>  Tin Lead	<b>MinSZW Wettelijke Grenswaarden (Netherlands, 2/2016).</b> OEL, 8-h TWA: 2 mg/m <sup>3</sup> , (as Sn) 8 hours. <b>MinSZW Wettelijke Grenswaarden (Netherlands, 2/2016).</b> OEL, 8-h TWA: 0.15 mg/m <sup>3</sup> 8 hours.
<b>Norway</b>  Lead	<b>FOR-2011-12-06-1358 (Norway, 7/2016). Reproductive toxin.</b> TWA: 0.05 mg/m <sup>3</sup> , (calculated as Pb) 8 hours. Form: Dust and fumes
<b>Poland</b>  Tin Lead	<b>Rozporządzenie Ministra Pracy i Polityki Społecznej (Dz.U. 2014 poz. 817) (Poland, 6/2014). Notes: calculated as Sn</b> TWA: 2 mg/m <sup>3</sup> , (calculated as Sn) 8 hours. Form: Inhalable fraction <b>Rozporządzenie Ministra Pracy i Polityki Społecznej (Dz.U. 2014 poz. 817) (Poland, 6/2014). Notes: calculated as Pb</b> TWA: 0.05 mg/m <sup>3</sup> , (calculated as Pb) 8 hours.
<b>Portugal</b>  Tin Lead	<b>Instituto Português da Qualidade (Portugal, 11/2014).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. <b>Instituto Português da Qualidade (Portugal, 11/2014).</b> TWA: 0.05 mg/m <sup>3</sup> , (expressed as Pb) 8 hours.
<b>Romania</b>  Lead	<b>EU OEL (Europe, 12/2009). Notes: list of binding occupational exposure limit values</b> TWA: 0.15 mg/m <sup>3</sup> 8 hours.
<b>Slovakia</b>  Lead	<b>Nariadenie vlády SR c. 355/2006 (Slovakia, 4/2015).</b> TWA: 0.5 mg/m <sup>3</sup> , (Lead and its inorganic compounds, as Pb) 8 hours. Form: Inhalable fraction TWA: 0.05 mg/m <sup>3</sup> , (Lead and its organic compounds) 8 hours. TWA: 0.15 mg/m <sup>3</sup> , (Lead and its inorganic compounds, as Pb) 8 hours. Form: Respirable fraction
<b>Slovenia</b>  Tin Lead	<b>Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Slovenia, 6/2015).</b> TWA: 2 mg/m <sup>3</sup> , (measured as Sn) 8 hours. <b>Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Slovenia, 6/2015).</b> TWA: 0.1 mg/m <sup>3</sup> , (measured as Pb) 8 hours. Form: Inhalable fraction KTV: 0.4 mg/m <sup>3</sup> , (measured as Pb), 4 times per shift, 15 minutes. Form: Inhalable fraction
<b>Spain</b>  Tin Lead	<b>INSHT (Spain, 1/2017).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. <b>INSHT (Spain, 1/2017).</b> TWA: 0.15 mg/m <sup>3</sup> 8 hours.

Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

## SECTION 8: Exposure controls/personal protection

### Sweden



lead

**AFS 2015:7 (Sweden, 12/2015).**

TWA: 2 mg/m<sup>3</sup>, (as Sn) 8 hours. Form: Inhalable fraction

**AFS 2015:7 (Sweden, 12/2015).**

TWA: 0.1 mg/m<sup>3</sup>, (as Pb) 8 hours. Form: Inhalable fraction

TWA: 0.05 mg/m<sup>3</sup>, (as Pb) 8 hours. Form: Respirable dust

### Switzerland



lead

**SUVA (Switzerland, 1/2016).**

STEL: 0.8 mg/m<sup>3</sup>, (calculated as Pb) 15 minutes. Form: Inhalable fraction

TWA: 0.1 mg/m<sup>3</sup>, (calculated as Pb) 8 hours. Form: Inhalable fraction

### Turkey

tin

**NIOSH REL (United States, 10/2013).**

TWA: 2 mg/m<sup>3</sup>, (as Sn) 10 hours.

lead

**TR ISGGM OEL (Turkey, 12/2013).**

TWA: 0.15 mg/m<sup>3</sup> 8 hours.

### United Kingdom (UK)



lead

**EH40-OES (United Kingdom (UK), 2002).**

TWA: 2 mg/m<sup>3</sup> 8 hours.

STEL: 4 mg/m<sup>3</sup> 15 minutes.

**EH40-OES (United Kingdom (UK), 2002).**

TWA: 0.15 mg/m<sup>3</sup> 8 hours.

**EH40/2005 WELs (United Kingdom (UK), 12/2011).**

TWA: 0.15 mg/m<sup>3</sup> 8 hours.

Rosin, hydrogenated

**EH40-MEL (United Kingdom (UK), 2002). Skin sensitiser. Inhalation sensitiser.**

STEL: 0.15 mg/m<sup>3</sup> 15 minutes. Form: Rosin-based solder flux fume

TWA: 0.05 mg/m<sup>3</sup> 8 hours. Form: Rosin-based solder flux fume

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### Derived effect levels

No DELs available.

### Predicted effect concentrations

No PECs available.

## 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Individual protection measures

Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

## SECTION 8: Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: safety glasses with side-shields
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. < 1 hour (breakthrough time): disposable vinyl
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: overall
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: particulate filter
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Solid.
- Colour** : Silvery.
- Odour** : None.
- pH** : Not available.
- Melting point/freezing point** : 183 to 188°C
- Initial boiling point and boiling range** : Not available.
- Flash point** : Not available.
- Upper/lower flammability or explosive limits** : Not available.
- Relative density** : Not available.
- Solubility(ies)** : Insoluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/ water** : Not available.
- Auto-ignition temperature** : Not available.
- VOC content** : 2.1 % (w/w)

### 9.2 Other information

No additional information.

Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

## SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : No specific data.
- 10.5 Incompatible materials** : No specific data.
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Conclusion/Summary** : Not available.

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.

#### Sensitiser

**Conclusion/Summary** : Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

**Conclusion/Summary** : Not available.

#### Teratogenicity

**Conclusion/Summary** : Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Not available.

#### Potential acute health effects

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Eye contact** : No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation** : No specific data.

**Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg**

## SECTION 11: Toxicological information

**Ingestion** : No specific data.  
**Skin contact** : No specific data.  
**Eye contact** : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.  
**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Lead	Acute EC50 105 ppb Marine water	Algae - Chaetoceros sp. - Exponential growth phase	72 hours
	Acute EC50 0.489 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute EC50 8000 µg/l Fresh water	Aquatic plants - Lemna minor	4 days
	Acute LC50 530 µg/l Fresh water	Crustaceans - Ceriodaphnia reticulata	48 hours
	Acute LC50 5100 µg/l Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute LC50 0.44 ppm Fresh water	Fish - Cyprinus carpio - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 0.25 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.03 µg/l Fresh water	Fish - Cyprinus carpio	4 weeks

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.  
**Mobility** : Not available.

Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

## SECTION 12: Ecological information

### 12.5 Results of PBT and vPvB assessment

PBT : Not applicable.  
vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Yes.

#### European waste catalogue (EWC)

Waste code	Waste designation
06 04 05*	wastes containing other heavy metals

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	✓	✓
14.3 Transport hazard class(es)	-	-	✓
14.4 Packing group	-	-	✓
14.5 Environmental hazards	✓No.	✓No.	✓No.
Additional information	✓	✓	✓The environmentally hazardous substance mark may appear if required by other transportation regulations.



Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg

## SECTION 14: Transport information

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** : Not available.

## SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

Other EU regulations

Europe inventory : All components are listed or exempted.

National regulations

Austria

Belgium

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Belgium Carcinogen chemicals	Blei	Carc.	-

Bulgaria

Croatia

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Croatia Occupational Exposure Limits	Olovo i njegovi anorganski spojevi (kao Pb)	Carc. 1, Repro. 1, Repro. 3	-

Czech Republic

Denmark

Estonia

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Estonia Occupational Exposure Values	plii ja anorgaanilised ühendid kogu tolm / peentolm, (arvutatud pliile) peentolm	Repro.	-

Finland

France

Germany

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Germany TRGS905	Blei Metall, (bioverfügbar)	RF3, RE1	-

**Hazard class for water** : nwg Appendix No. 4



**Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg**

## SECTION 15: Regulatory information

### [Greece](#)

### [Hungary](#)

### [Ireland](#)

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Ireland Occupational Exposure Limits	lead and its compounds except tetraethyl lead	Repro. Repr1A	-

### [Italy](#)

### [Latvia](#)

### [Lithuania](#)

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Lithuania Occupational Exposure Values	švinas ir jo neorganiniai junginiai kaip Pb; įkvepiamoji frakcija / alveolinė frakcija	Repro. R	-

### [Netherlands](#)

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Netherlands Reprotoxic Chemicals	lood Metallisch	Repro. fertility category 2, Dev. breast feeding (X), Dev. development category 1A	-

### [Norway](#)

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Norway Occupational Exposure Limits	bly og uorganiske blyforbindelser (støv og røyk) (beregnet som Pb)	Repro. R	-

### [Poland](#)

### [Portugal](#)

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Portugal Occupational Exposure Limits	chumbo elementar e compostos inorgânicos	Carc. A3	-

### [Romania](#)

### [Slovakia](#)

### [Slovenia](#)

### [Spain](#)

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Spain Occupational Exposure Limits for Chemical Agents	plomo elemental	Repro. TR1A	-

### [Sweden](#)

Product/ingredient name	List name	Name on list	Classification	Notes
lead	Sweden Occupational Exposure Limits	lead, and inorg. compounds inhalable dust / respirable dust, (as Pb)	Repro. R	-

**Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg**

## SECTION 15: Regulatory information

### Switzerland

Product/ingredient name	List name	Name on list	Classification	Notes
Lead	Switzerland Occupational Exposure Limits	Blei und seine Verbindungen, ausser Alkylverbindungen (als Pb berechnet)	Carc. C2, Repro. R2F, Dev. R1AD	-

### Turkey

### United Kingdom (UK)

Product/ingredient name	List name	Name on list	Classification	Notes
lead	UK Occupational Exposure Limits EH40 - WEL	lead	Carc.	-

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

**Date of printing** : 12/12/2017

**Date of issue/ Date of revision** : 12/12/2017

**Date of previous issue** : 17/11/2015

**Version** : 2.01

### Notice to reader

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

#### **Classification**

#### **Justification**

Not classified.

### Europe

**Full text of abbreviated H statements** : Not applicable.

**Full text of classifications [CLP/GHS]** : Not applicable.

**Full text of abbreviated R phrases** : Not applicable.

**Full text of classifications [DSD/DPD]** : Not applicable.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

***Sn60 Pb40 Telecore XL-825/122 0.75 mm 0.5Kg 10Kg***

