# SAFETY DATA SHEET

ALLOY Sn63-Pb37



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

**1.1 Product identifier** 

Product name	: ALLOY Sn63-Pb37
Product code	: GHS059
Product type	: Solid. [Wire/Bar, Massive form]
Other means of identification	: Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against Not applicable.

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

AIM 9100 Henri Bourassa East Montreal, QC H1E 2S4 (514) 494-2000

AIM Solder Europe Sp. z.o.o. ul. Papiernicza 7 Łódź 92-312 Poland

e-mail address of person responsible for this SDS

: Safetydata@aimsolder.com

#### **National contact**

Edit the content of sentence <EU National Contact> to define this output

#### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** 

: INFOTRAC Europe: 0800-181-29-24 International: (352) 323-3500

### **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] Repr. 1A, H360FD (Fertility and Unborn child)

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

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

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

### 2.2 Label elements

Hazard pictograms



### **SECTION 2: Hazards identification**

Signal word	1	Danger
Hazard statements	1	May damage fertility. May damage the unborn child.
Precautionary statements		
General	4	Not applicable.
Prevention	:	Obtain special instructions before use. Wear protective gloves. Wear eye or face protection. Wear protective clothing.
Response	1	IF exposed or concerned: Get medical attention.
Storage	1	Store locked up.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Restricted to professional users. For the supply to the general public - Entry No. 30, Entry No. 63.
Special packaging requirem	en	<u>ts</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	:	Not applicable.
2.3 Other hazards		
		P: Not available. B: Not available. T: Not available.
		vP: Not available. vB: Not available.
Other hazards which do not result in classification	:	None known.

### **SECTION 3: Composition/information on ingredients**

3.2 Mixtures :	Mixture			
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
lead compounds	EC: 231-100-4 CAS: 7439-92-1 Index: 082-001-00-6	≥25 - ≤50	Repr. 1A, H360FD (Fertility and Unborn child)	[1] [2]
			See Section 16 for the full text of the H statements declared above.	

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit 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

Occupational exposure limits, if available, are listed in Section 8.

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

ALLOY Sn63-Pb37

### **SECTION 4: First aid measures**

4.1 Description of first aid n	ures	
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and eyelids. Check for and remove any contact lenses. Continue to rinse for at I minutes. Get medical attention.	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breat If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to to person providing aid to give mouth-to-mouth resuscitation. Get medical atter unconscious, place in recovery position and get medical attention immediate Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	he he htion. If
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing shoes. Wash contaminated clothing thoroughly with water before removing i wear gloves. Continue to rinse for at least 10 minutes. Get medical attention Wash clothing before reuse. Clean shoes thoroughly before reuse.	t, or
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to frest 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 wat drink. Stop if the exposed person feels sick as vomiting may be dangerous. induce vomiting unless directed to do so by medical personnel. If vomiting of the head should be kept low so that vomit does not enter the lungs. Get medi attention. Never give anything by mouth to an unconscious person. If uncom place in recovery position and get medical attention immediately. Maintain a airway. Loosen tight clothing such as a collar, tie, belt or waistband.	er to Do not ccurs, dical scious,
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable trainin is suspected that fumes are still present, the rescuer should wear an appropri- mask or self-contained breathing apparatus. It may be dangerous to the per- providing aid to give mouth-to-mouth resuscitation. Wash contaminated cloth thoroughly with water before removing it, or wear gloves.	iate son

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

Over-exposure signs/sy	<u>imptoms</u>
Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
4.3 Indication of any imm	nediate 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.

### **SECTION 5: Firefighting measures**

•		
5.1 Extinguishing media		
Suitable extinguishing media	lse an extinguishing agent suitable for the surrounding fire.	
Unsuitable extinguishing media	lone known.	
5.2 Special hazards arising f	he substance or mixture	
Hazards from the substance or mixture	lo specific fire or explosion hazard.	
Hazardous combustion products	ecomposition products may include the following materials: netal oxide/oxides	
5.3 Advice for firefighters		
Special protective actions for fire-fighters	romptly isolate the scene by removing all persons from the vicinity of th here is a fire. No action shall be taken involving any personal risk or with uitable training.	
Special protective equipment for fire-fighters	ire-fighters should wear appropriate protective equipment and self-cont reathing apparatus (SCBA) with a full face-piece operated in positive pr node. Clothing for fire-fighters (including helmets, protective boots and onforming to European standard EN 469 will provide a basic level of pro hemical incidents.	essure gloves)

### **SECTION 6: Accidental release measures**

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

the second s		
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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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	со	ntainment and cleaning up
Small spill	:	Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled 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.

### 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). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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. Store locked up. 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	: Not available.
solutions	

### **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name		Exposure limit values	
lead compounds		EU OEL (Europe, 12/2009). Notes: list of binding occupational exposure limit values TWA: 0.15 mg/m <sup>3</sup> 8 hours.	
procedures a	atmosphere or l of the ventilation protective equip he following: E he assessment imit values and atmospheres - ( of exposure to of Workplace atmo or the measure	ontains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness in or other control measures and/or the necessity to use respiratory oment. Reference should be made to monitoring standards, such as European Standard EN 689 (Workplace atmospheres - Guidance for t of exposure by inhalation to chemical agents for comparison with measurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482 nospheres - General requirements for the performance of procedures ement of chemical agents) Reference to national guidance methods for the determination of hazardous substances will also be	
DNELs/DMELs			

#### **DNELs/DMELs**

No DNELs/DMELs available.

#### **PNECs**

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

ALLOY Sn63-Pb37

### **SECTION 8: Exposure controls/personal protection**

No PNECs available

8.2 Exposure controls		
Appropriate engineering controls	If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.	
Individual protection measu	2	
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.	
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 indicate this is necessary. Considering the parameters specified by the glove manufacturer check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.	s
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.	
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.	t
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	nd chemical properties	_

### SECTION 9: Physical and chemical properties

9.1 Information on basic physic	al and chemical properties		
<u>Appearance</u>			
Physical state	: Solid. [Wire/Bar, Massive form]		
Colour	: ***TO BE TRANSLATED***		
Odour	: Not applicable		
Odour threshold	: Not available.		
рН	: Not available.		
Melting point/freezing point	: 183°C		
Initial boiling point and boiling range	: Not available.		
Flash point	: [Product does not sustain combustion.]		
Evaporation rate	: Not available.		
Flammability (solid, gas)	: Massive metal is nonflammable.		
Date of issue/Date of revision	: 11/20/2018 Date of previous issue : 5/18/2018	Version : 1.01	6/13

SECTION 9: Physical and chemical properties			
Upper/lower flammability or explosive limits	:	Not available.	
Vapour pressure	:	Not available.	
Vapour density	:	Not available.	
Relative density	1	8.79	
Solubility(ies)	:	Insoluble in the following materials: cold water, hot water, methanol, diethyl ether, n-octanol and acetone.	
Partition coefficient: n-octanol/ water	:	Not available.	
Auto-ignition temperature	:	Not available.	
Decomposition temperature	:	Not available.	
Viscosity	:	Not available.	
Explosive properties	:	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts.	
Oxidising properties	1	Not available.	
9.2 Other information			
Solubility in water	:	Not available.	
Molecular weight	:	Not applicable.	
Type of aerosol	:	Not applicable.	
Ignition distance	:	Not applicable.	
Enclosed space ignition - Time equivalent	:	Not applicable.	
Enclosed space ignition - Deflagration density	:	Not applicable.	
Flame height	:	Not applicable.	
Flame duration	:	Not applicable.	
No additional information.			

### **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 toxicolo	gic	al effects			
Acute toxicity	•				
Conclusion/Summary	:	Not available.			
Acute toxicity estimates					
Not available.					
Irritation/Corrosion					
Conclusion/Summary		Not available.			
Sensitisation	1	Not available.			
Conclusion/Summary		Not available.			
Mutagenicity	1	Not available.			
Conclusion/Summary		Not available.			
Conclusion/Summary	1	Not available.			
Conclusion/Summary	:	(Note: these statements apply to ingested or inha Human: LEAD crosses the placental barrier. CHRONIC OVEREXPOSURE EFFECTS; Increas muscle soreness, metallic taste, abdominal cramp Overexposure to tin oxide fumes may result in be (stannosis). Repeated and prolonged contact with bare skin r or an allergic reaction (sensitization) in susceptible	se of LEAD LEVEL in blo os, headaches. enigne pneumoconiosis may cause irritation, derr		and/
Reproductive toxicity					
Conclusion/Summary	۰.	Not available.			
<u>Teratogenicity</u>	1				
Conclusion/Summary		Not available.			
Specific target organ toxici					
Not available.	<u>.</u>	Single exposurer			
Specific target organ toxici	<u>ty (</u>	repeated exposure)			
Not available.					
Aspiration hazard					
Not available.					
Information on likely routes of exposure	:	Routes of entry not anticipated: Dermal.			
Potential acute health effects	<u>s</u>				
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.			
Symptoms related to the phy	<u>ysic</u>	al, chemical and toxicological characteristics			
Eye contact	1	No specific data.			
Inhalation	:	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations			
Skin contact	:	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations			
Date of issue/Date of revision		: 11/20/2018 Date of previous issue : 5/18/2018	Version :	1.01	8/13

## **SECTION 11: Toxicological information**

Ingestion	Adverse symptoms may include the following: reduced foetal weight
	increase in foetal deaths
	skeletal malformations

Delayed and immediate effect	<u>cts</u>	as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>		
Potential immediate effects	1	Not available.
Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate effects	1	Not available.
Potential delayed effects	:	Not available.
Potential chronic health eff	ect	<u>s</u>
Not available.		
<b>Conclusion/Summary</b>	:	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	:	May damage the unborn child.
<b>Developmental effects</b>	:	No known significant effects or critical hazards.
Fertility effects	1	May damage fertility.
Other information	:	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.

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure	
lead compounds	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 4400 µg/l Fresh water	Daphnia - Daphnia magna	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 Chronic NOEC 0.03 µg/l Fresh water	Algae - Ulva pertusa Fish - Cyprinus carpio	96 hours 4 weeks	

**Conclusion/Summary** 

: Not available.

: Not available.

### **12.2 Persistence and degradability**

Conclusion/Summary

Date of issue/Date of revision

### **SECTION 12: Ecological information**

#### 12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.
12.5 Results of PBT and v	PvB 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	: The classification of the product may meet the criteria for a hazardous waste.
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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

#### **ADR/RID ADN** IMDG ΙΑΤΑ 14.1 UN number Not regulated. Not regulated. Not regulated. Not regulated. 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 No. No. No. No. **Environmental** hazards Date of issue/Date of revision : 5/18/2018 10/13 : 11/20/2018 Date of previous issue Version : 1.01

### **SECTION 14: Transport information**

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

ALLOY Sn63-Pb37

SECTION 14: T	ransport information	ation		
Additional information	-	-	-	-

14.6 Special precautions for	1	Transport within user's premises: always transport in closed containers that are
user		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	: Not available.
according to Annex II of	
Marpol and the IBC Code	

### **SECTION 15: Regulatory information**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

### Annex XIV - List of substances subject to authorisation

### Annex XIV

None of the components are listed.

### Substances of very high concern

Ingredient name		Intrinsic property	Status	Reference number	Date of revision
Lead		Toxic to reproduction	Candidate	-	-
Annex XVII - Restrictions on the manufacture, olacing on the market and use of certain dangerous substances, mixtures and articles	: Restricted to p Entry No. 63.	rofessional users. For t	the supply to the g	eneral public -	Entry No.
ther EU regulations					
Europe inventory	: All component	s are listed or exempted	1.		
ndustrial emissions (integrated pollution prevention and control) - Air	: Listed				
ndustrial emissions (integrated pollution prevention and control) - Water	: Listed				
Ozone depleting substance	<u>s (1005/2009/EU</u>	1			
Not listed.					
Prior Informed Consent (Pl	<u>C) (649/2012/EU)</u>				
Ingredient name			Annex	Sta	tus
Lead compounds			Annex I - Part 1	List	ed
	Not applicable			I	

Seveso Directive

<u>e</u>

This product is not controlled under the Seveso Directive.

Biocidal products : Not applicable.

### regulation

#### International regulations

<u>Chemical Weapon Convention List Schedules I, II & III Chemicals</u> Not listed.

### SECTION 15: Regulatory information

### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Ingredient name	List name	Status
Lead (Pb)	Heavy metals - Annex 1	Listed

### International lists

National inventory		
Australia	: All components are listed or exempted.	
Canada	: All components are listed or exempted.	
China	: All components are listed or exempted.	
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.	
Malaysia	: All components are listed or exempted.	
New Zealand	: All components are listed or exempted.	
Philippines	: All components are listed or exempted.	
Republic of Korea	: All components are listed or exempted.	
Taiwan	: All components are listed or exempted.	
Turkey	: All components are listed or exempted.	
United States	: All components are listed or exempted.	
15.2 Chemical safety assessment	: This product contains substances for which Chemical Safety Assessments are still required.	

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative</li> </ul>
Key literature references	: Sigma-Alrich handbook of fine chemicals, 1998

and sources for data

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

Classification	Justification
Repr. 1A, H360FD (Fertility and Unborn child)	Calculation method

### Full text of abbreviated H statements

H360FD	May damage fertility. May damage the unborn child.
--------	--

Full text of classifications [CLP/GHS]

Repr. 1A, H360FD		REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 1A	
Date of printing	: 11/20/2018		
Date of issue/ Date of revision	: 11/20/2018		
Date of previous issue	: 5/18/2018		
Version	: 1.01		

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed 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.