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

SAFETY DATA SHEET

Alloy Sn62-Pb36-Ag2 M8



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

1.1 Product identifier
Product name
Reference number

Product type

- : Alloy Sn62-Pb36-Ag2 M8
- : GHS050
 - : Solid. [Solder Paste]
- 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

1.4 Emergency telephone number

National advisory body/Poison Center 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. 1B, H360FD (Fertility and Unborn child) Lact., H362 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

Ingredients of unknown : Contains 3.5 % of components with unknown hazards to the aquatic environment ecotoxicity

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

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Alloy Sn62-Pb36-Ag2 M8			
SECTION 2: Hazards identification			
Hazard pictograms	:		
Signal word	:	Danger	
Hazard statements	:	May damage fertility or the unborn child. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.	
Precautionary statements			
General	:	Not applicable.	
Prevention	-	Obtain special instructions before use. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Avoid release to the environment. Do not breathe dust. Avoid contact during pregnancy or while nursing.	
Response	:	Get medical attention if you feel unwell. 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	nen	<u>its</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.	

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures :	Mixture			
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
tin	EC: 231-141-8 CAS: 7440-31-5	≥1 - <95	Not classified.	[2]
lead	EC: 231-100-4 CAS: 7439-92-1	≥1 - <95	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1000)	[1] [2]
silver	EC: 231-131-3 CAS: 7440-22-4	≥1 - <95	Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1] [2]
tributylamine	EC: 203-058-7 CAS: 102-82-9	≥0.3 - <1	Acute Tox. 3, H301 Aquatic Chronic 2, H411	[1]
maleic acid	EC: 203-742-5	≥0.3 - <1	Acute Tox. 4, H302	[1]
maleic acid Date of issue/Date of revision	EC: 203-742-5 : 3/25/2019 Date of previous		· ·	

	CAS: 110-16-7 Index: 607-095-00-3		Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411	
amines, coco alkyl	EC: 262-977-1 CAS: 61788-46-3 Index: 612-285-00-4	≥0.01 - <0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 (gastrointestinal tract, immune system and liver) Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
			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.

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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 4:	First aid	measures
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Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it
	is suspected that fumes are still present, the rescuer should wear an appropriate
	mask or self-contained breathing apparatus. It may be dangerous to the person
	providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing
	thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	1	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	;	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising f	rom	the substance or mixture
Hazards from the substance or mixture	-	This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
5.3 Advice for firefighters		
Special protective actions 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, pro	ective 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 spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized 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 spilled 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and materials fo	containment 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 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 contact during pregnancy or while nursing. 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. Avoid release to the environment. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

Seveso Directive - Reporting thresholds (in tonnes)

Danger criteria

Date of issue/Date of revision

SECTION 7: Handling and storage					
Category	Notification and MAPP threshold	Safety report threshold			
E1: Hazardous to the aquatic environment - Acute 1 or Chronic 1	100	200			

7.3 Specific end use(s) Recommendations

: Not available.

: Not available.

Industrial sector specific 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	e Exposure limit values
Tin	Rozporzadzenie Ministra Pracy i Polityki Spolecznej (Dz.U. 2014 poz. 817) (Poland, 6/2014). TWA: 2 mg/m ³ , (calculated as Sn) 8 hours. Form: Inhalable fraction
Lead	Rozporzadzenie Ministra Pracy i Polityki Spolecznej (Dz.U. 2014 poz. 817) (Poland, 6/2014). TWA: 0.05 mg/m³, (calculated as Pb) 8 hours.
silver	Rozporzadzenie Ministra Pracy i Polityki Spolecznej (Dz.U. 2014 poz. 817) (Poland, 6/2014). TWA: 0.05 mg/m ³ 8 hours. Form: Inhalable fraction
procedures atm of th prot the the limi atm of e (Wo	is product contains ingredients with exposure limits, personal, workplace osphere or biological monitoring may be required to determine the effectiveness ne ventilation or other control measures and/or the necessity to use respiratory ective equipment. Reference should be made to monitoring standards, such as following: European Standard EN 689 (Workplace atmospheres - Guidance for assessment of exposure by inhalation to chemical agents for comparison with values and measurement strategy) European Standard EN 14042 (Workplace ospheres - Guide for the application and use of procedures for the assessment xposure to chemical and biological agents) European Standard EN 482 orkplace atmospheres - General requirements for the performance of procedures he measurement of chemical agents) Reference to national guidance

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor 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.

documents for methods for the determination of hazardous substances will also be

Individual protection measures

required.

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SECTION 8: Exposure controls/personal protection

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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 indicates 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.
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.
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 physi	cal and chemical properties
<u>Appearance</u>	
Physical state	: Solid. [Solder Paste]
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility(ies)	: Not available.

Date of issue/Date of revision

: 3/25/2019 Date of previous issue

SECTION 9: Physical and chemical properties			
Partition coefficient: n-octanol/ water	:	Not available.	
Auto-ignition temperature	:	Not available.	
Decomposition temperature	:	Not available.	
Viscosity	:	Not available.	
Explosive properties	1	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts.	
Oxidizing properties	:	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	1	Not applicable.	
Enclosed space ignition - Deflagration density	1	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 toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2,2',2"-nitrilotriethanol	LD50 Dermal LD50 Oral	Rabbit Rat	>2000 mg/kg 4190 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion

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SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
2,2',2"-nitrilotriethanol	Eyes - Mild irritant	Rabbit	-	10 milligrams	-
	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
	Skin - Mild irritant	Human	-	72 hours 15 milligrams Intermittent	-
	Skin - Severe irritant	Mouse	-	50 Percent	-
	Skin - Mild irritant	Rabbit	-	24 hours 560	-
				milligrams	
Conclusion/Summary	: Not available.				
Sensitization					
Conclusion/Summary	: Not available.				
<u>Mutagenicity</u>					
Conclusion/Summary	: Not available.				
Carcinogenicity					
Conclusion/Summary	: Not available.				
Reproductive toxicity					

 Teratogenicity

 Conclusion/Summary
 : Not available.

 Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Lead 2,2',2"-nitrilotriethanol	Category 2 Category 2		Not determined kidneys and liver

Aspiration hazard

Not available.

Information on the likely : Not available. routes of exposure

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.

Symptoms related to th	e physical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

SECTION 11: Toxicological information

Ingestion	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations	
Delayed and immediate effe	and also 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 ef		
Not available.		
Conclusion/Summary	Not available.	
General	May cause damage to organs through prolonged or repeated exposure.	
Carcinogenicity	No known significant effects or critical hazards.	
Mutagenicity	No known significant effects or critical hazards.	
Teratogenicity	May damage the unborn child.	
Developmental effects	May cause harm to breast-fed children.	
Fertility effects	May damage fertility.	
Other information	To the best of our knowledge, the information contained herein is accurat However, neither the above-named supplier, nor any of its subsidiaries, a any liability whatsoever for the accuracy or completeness of the informatic contained herein. Final determination of suitability of any material is the sole responsibility of All materials may present unknown hazards and should be used with cau Although certain hazards are described herein, we cannot guarantee that the only hazards that exist.	assumes ion of the user. ution.

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 4400 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.44 ppm Fresh water	Fish - Cyprinus carpio -	96 hours
		Juvenile (Fledgling, Hatchling,	
		Weanling)	
	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
silver	Acute EC50 1.4 µg/l Marine water	Algae - Chroomonas sp.	4 days
	Acute EC50 0.24 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 11 µg/l Fresh water	Crustaceans - Ceriodaphnia reticulata	48 hours
	Acute LC50 2.13 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 5 mg/l Marine water	Algae - Glenodinium halli	72 hours
2,2',2"-nitrilotriethanol	EC50 216 mg/l	Algae - Desmodesmus	72 hours
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SECTION 12: Ecological information

		subspicatus	
	EC50 169 mg/l	Algae - Desmodesmus	96 hours
	-	subspicatus	
	LC50 100 mg/l	Fish - Pimephales promelas	96 hours
	Acute EC50 609.98 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Chronic NOEC 16000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
Conclusion/Summary	: Not available.		

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
silver	-	70	low
2,2',2"-nitrilotriethanol	-1	<3.9	low

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

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 minimized 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 minimized 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

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SECTION 14: Transport information

	-			
	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 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

user

14.6 Special precautions for : 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 : 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

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

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

Ingredient name	Intrinsic property		GHS reference number	Date of revision
Lead	Toxic to reproduction	Candidate	-	-

Annex XVII - Restrictions : Restricted to professional users. For the supply to the general public - Entry No. 30, Entry No. 63. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles **Other EU regulations Europe inventory** : Not determined. **Industrial emissions** : Listed (integrated pollution prevention and control) -Air

SECTION 15: Regulatory information

OFOLION 13. Kegt	autory mormatic	/ 1 1		
Industrial emissions (integrated pollution prevention and control)	: Listed			
Water				
Ozone depleting substa Not listed.	ances (1005/2009/EU)			
Prior Informed Consent	t (PIC) (649/2012/EU)			
Ingredient name		Anı	nex	Status
Lead compounds			ex I - Part 1	Listed
	Not applicable.			
Seveso Directive				
This product is controlled Danger criteria	I under the Seveso Direct	ive.		
Category				
E1: Hazardous to the a	quatic environment - Acu	te 1 or Chronic 1		
Biocidal products regulation	: Not applicable.			
International regulations	<u>i</u>			
Chemical Weapon Conve	ention List Schedules I,	II & III Chemicals		
Ingredient name		List name		Status
Triethanolamine		Schedule III		Listed
Montreal Protocol (Anne	<u>xes A, B, C, E)</u>	I		
Not listed.				
Stockholm Convention of	on Persistent Organic P	<u>ollutants</u>		
Not listed.				
Rotterdam Convention o	n Prior Informed Conse	ent (PIC)		
Not listed.				
UNECE Aarhus Protocol	on POPs and Heavy Me	etals		
Ingredient name		List name		Status
Lead (Pb)	Lead (Pb) Heavy metals - Annex 1 Listed		Listed	
International lists				
National inventory				
Australia	: Not determined.			
Canada	: Not determined.			
China	: Not determined.			
Japan		(ENCS): Not determined. (ISHL): Not determined.		
Malaysia	: Not determined.			
New Zealand	: Not determined.			
Philippines	: Not determined.			
Republic of Korea	: Not determined.			
Taiwan	: Not determined.			
Turkey	: Not determined.			
United States		re listed or exempted.		
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SECTION 15: Regulatory information

15.2 Chemical Safety	: This product contains substances for which Chemical Safety Assessments are still
Assessment	required.

SECTION 16: Other information

Indicates information that has changed from previously issued v	version.
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Abbreviations and acronyms	 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

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

Classification	Justification
Repr. 1B, H360FD (Fertility and Unborn child)	Calculation method
Lact., H362	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 1, H410	Calculation method

Full text of abbreviated H statements

H360FD H400	May cause an allergic skin reaction. May damage fertility. May damage the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
H410 H411	Toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

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Aquatic Acute 1, H400		AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 1, H410		AQUATIC HAZARD (LONG-TERM) - Category 1
Aquatic Chronic 2, H411		AQUATIC HAZARD (LONG-TERM) - Category 2
Repr. 1, H360FD		TOXIC TO REPRODUCTION (Fertility and Unborn child) -
		Category 1
Skin Sens. 1, H317		SKIN SENSITIZATION - Category 1
Date of printing	: 3/25/2019	
Date of issue/ Date of	: 3/25/2019	
revision		
Date of previous issue	: 11/22/2018	
Version	: 2	

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.