



Aquazinga Powder

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 08/10/2015

Revision date: 08/10/2015

Supersedes: 12/01/2012

Version: 02.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Aquazinga Powder

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

1.2.1. Relevant identified uses

Main use category : Only to be used as a component in Aquazinga
Industrial/Professional use spec : Paint.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Zingametall Bvba
Rozenstraat 4, Industriepark
9810 Eke
Belgium
Tel.: +32 (0)9 385 68 81
Fax.: +32 (0) 9 385 58 69
E-mail: zingametall@zinga.be

1.4. Emergency telephone number

Emergency number : +32 (0) 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

N; R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of R-phrases: see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS09

Signal word (CLP) : Warning
Hazard statements (CLP) : H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP) : P273 - Avoid release to the environment
P391 - Collect spillage
P501 - Dispose of contents/container to National regulations

2.3. Other hazards

Other hazards not contributing to the classification : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Zinc Powder — Zinc Dust (Stabilised)	REACH #: 01-2119467174-37 EC: 231-175-3 CAS: 7440-66-6 Index: 030-001-01-9	94-98	N; R50/53
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	<6	N; R50/53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc Powder — Zinc Dust (Stabilised)	REACH #: 01-2119467174-37 EC: 231-175-3 CAS: 7440-66-6 Index: 030-001-01-9	94-98	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	<6	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R- and H-phrases: see section 16

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.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : 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 adverse health effects persist or are severe. 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.
- First-aid measures after skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- First-aid measures after 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 if irritation occurs.
- First-aid measures after 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 if adverse health effects persist or are severe. 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.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

- Symptoms/injuries after inhalation : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Symptoms/injuries after skin contact : No known significant effects or critical hazards.
- Symptoms/injuries after eye contact : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
- Symptoms/injuries after ingestion : No known significant effects or critical hazards.

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.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use dry chemical, CO2 or sand.
Unsuitable extinguishing media : Do not use water or foam.

5.2. Special hazards arising from 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 : None

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.
Additional information : May present an explosion hazard when material is suspended in air in confined areas or equipment and subjected to spark, heat or flame.
Original packaging can be wetted using water for extinguishing surrounding fire in well ventilated areas.
Wetted powder will heat and release gases (hydrogen)
Isolate wetted packaging and powder from combustible materials and dry powder and store in an excellent ventilated area.
Avoid runoff to sewers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. 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. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.1.2. 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 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 material for containment and cleaning up

- Small spill : Move containers from spill area. Vacuum or sweep up material and place in a designated, 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. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. 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

7.1. Precautions for safe handling

- Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid release to the environment. 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.

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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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

Keep away from sources of ignition. Keep away from heat.

Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Keep area clean and tidy. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame).

Keep container dry.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
zinc powder - dust (stabilised)	ACGIH TLV (United States, 1/2009). TWA: 10 mg/m ³ 8 hours. Form: Inhalable; Particulates (Insoluble) Not Otherwise Specified (PNOS) TWA: 3 mg/m ³ 8 hours. Form: Respirable; Particulates (Insoluble) Not Otherwise Specified (PNOS)
zinc oxide	Lijst Grenswaarden / Valeurs Limites (Belgium, 11/2011). TWA: 10 mg/m ³ 8 hours. Form: dust STEL: 10 mg/m ³ 15 minutes. Form: fume TWA: 5 mg/m ³ 8 hours. Form: 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.

Product/ingredient name	Type	Exposure	Value	Population	Effects
zinc powder - dust (stabilised)	DNEL	Long term Inhalation	5 mg/m ³	Workers	Systemic
	DNEL	Long term oral	50 mg/day	Workers	Systemic
	DNEL	Long term dermal	5000 mg/ day	Workers	Systemic
	DNEL	Long term Inhalation	2.5 mg/m ³	Consumers	Systemic
	DNEL	Long term dermal	5000 mg/ day	Consumers	Systemic
zinc oxide	DNEL	Long term Inhalation	5 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	2.5 mg/m ³	Consumers	Systemic
	DNEL	Long term oral	0.83 mg/ kg bw/day	Consumers	Systemic
	DNEL	Long term dermal	87 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term dermal	87 mg/kg bw/day	Workers	Systemic

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Product/ingredient name	Type	Compartment Detail	Value	Method Detail
zinc powder - dust (stabilised)	PNEC	Fresh water	20.6 µg/l	-
	PNEC	Marine	6.1 µg/l	-
	PNEC	Sewage Treatment Plant	52 µg/l	-
	PNEC	Fresh water sediment	118 mg/kg dwt	-
	PNEC	Marine water sediment	56.5 mg/kg dwt	-
	PNEC	Soil	35.6 mg/kg dwt	-
zinc oxide	PNEC	Fresh water	20.6 µg/l	Sensitivity Distribution
	PNEC	Marine	6.1 µg/l	Sensitivity Distribution
	PNEC	Fresh water sediment	117 mg/kg dwt	Sensitivity Distribution
	PNEC	Sewage Treatment Plant	52 µg/l	Assessment Factors
	PNEC	Marine water sediment	56.5 mg/kg dwt	Assessment Factors
	PNEC	Soil	35.6 mg/kg dwt	Sensitivity Distribution

8.2. Exposure controls

Appropriate engineering controls	: Use only with adequate ventilation. 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.
Individual protection measures	
Hygiene measures	: Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
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. If operating conditions cause high dust concentrations to be produced, use dust goggles.
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	: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
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

Physical state	: Solid,
Appearance	: Very fine powder
Colour	: Grey.
Odour	: Odorless.
pH	: Not applicable.
Melting point/freezing point	: 420°C
Initial boiling point and boiling range	: 908°C
Flash point	: Not available.
Evaporation rate	: Not available.

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Flammability of the product	: May be combustible at high temperature.
Flammability (solid, gas)	: Highly flammable in the presence of the following materials or conditions: oxidizing materials. Original packaging can be wetted using water for extinguishing surrounding fire in well ventilated areas. Wetted powder will heat and release gases (hydrogen) Isolate wetted packaging and powder from combustible materials and dry powder and store in an excellent ventilated area. Avoid runoff to sewers.
Burning time	: Not available.
Burning rate	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Density	: 7.14 g/cm ³
Solubility(ies)	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/ water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity (20°C / 40°C)	: Not available.
Explosive properties	: May present an explosion hazard when material is suspended in air in confined areas or equipment and subjected to spark, heat or flame.
Oxidizing properties	: Not available.

9.2. Other information

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

Reactive or incompatible with the following materials: oxidizing materials and acids. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Keep area clean and tidy. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Keep container dry.

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
Zinc Metal Pigment	LC50 Inhalation Dusts and mists	Rat	>5.4 mg/l	4 hours
	LD50 Oral	Rat	>2000 mg/kg	-
zinc powder – dust (stabilised)	LC50 Inhalation Dusts and mists	Rat	>5.4 mg/l	4 hours
	LD50 Oral	Rat	>2000 mg/kg	-
zinc oxide	LC50 Inhalation Dusts and mists	Rat	>5700 mg/m ³	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Acute toxicity estimates
Not available.

Irritation/Corrosion
Not available.

Conclusion/Summary :

Skin : Non-irritating to the skin.

Eyes : Non-irritating to the eyes.

Respiratory : Based on the read-across from ZnO, the product is not a skin or respiratory sensitizer

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Sensitizer

Product/ingredient name	Route of exposure	Species	Result
zinc oxide	skin	Guinea pig	Not sensitizing

Conclusion/Summary :

Skin : Not sensitizing

Respiratory : Not sensitizing

Mutagenicity

Product/ingredient name	Test	Experiment	Result
zinc oxide	471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria	Negative
	475 Mammalian Bone Marrow Chromosomal Aberration Test	Experiment: In vivo Subject: Mammalian-Animal	Negative

Conclusion/Summary : zinc oxide: No mutagenic effect.

Carcinogenicity

Conclusion/Summary : Based on read across from ZnSO4: No data indicating any concern for carcinogenicity. No classification required.

Reproductive toxicity

Conclusion/Summary : Based on read across from ZnO: No classification required.

Teratogenicity:

Not available.

Specific target organ toxicity (single exposure):

Not available.

Specific target organ toxicity (repeated exposure):

Not available.

Aspiration hazard:

Not available.

routes of exposure

Potential acute health effects

- Inhalation : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Ingestion : No known significant effects or critical hazards.
- Skin contact : No known significant effects or critical hazards.
- Eye contact : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

Symptoms related to the physical, chemical and toxicological characteristics

- Inhalation : Adverse symptoms may include the following: respiratory tract irritation; coughing
- Ingestion : No specific data.
- Skin contact : No specific data.
- Eye contact : Adverse symptoms may include the following: irritation; redness

Delayed and immediate effects 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 effects:

- General : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
- 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.

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SECTION 12: Ecological information

12.1. Toxicity

Product/ingredient name	Result	Species	Exposure
zinc powder – dust (stabilised)	Acute EC50 106 µg/l Fresh water	Algae – Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Acute EC50 356 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
zinc oxide	Acute LC50 238 to 269 µg/l Fresh water	Fish - Pimephales promelas - Newly or recently hatched	96 hours
	Chronic NOEC 72.7 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 0.17 mg/l	Algae - Selenastrum Capricornutum	72 hours
	Acute LC50 320 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours

12.2. Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Not available.				

12.3. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Not available.			

12.4. Mobility in soil

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

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 nonrecyclable 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.

Hazardous waste : 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

In accordance with ADR / RID / IMDG / IATA

14.1. UN number

UN-No : 3077

14.2. UN proper shipping name

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc., zinc oxide)
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc., zinc oxide). Marine pollutant (Zinc., zinc oxide)
Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s.(Zinc., zinc oxide)

14.3. Transport hazard class(es)

Class (UN) : 9

Hazard labels (UN)



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Environmental hazards : Yes

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.

Remark

The product qualities covered by this MSDS have been tested according to the criteria for classes 4.1, 4.2 and 4.3. The test results show that these qualities don't meet the criteria for classification as dangerous goods in the classes 4.1, 4.2 or 4.3 for transport: BAM, 2005 Report II.2-916/04. Effective 1st of January 2015, when carried in single packaging or inner packagings of 5 kg or less, this material is not subject to the transport regulations dangerous goods. The single packaging or outer packaging must not be UN-approved but must be a good quality packaging.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Annex XIV - List of substances subject to authorization

Annex XIV

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.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Listed

Integrated pollution prevention and control list (IPPC) - Water : Listed

Seveso II Directive

This product is controlled under the Seveso II Directive.

Danger criteria

Category E1: Hazardous to the aquatic environment - Acute 1 or Chronic 1

C9i: Very toxic for the environment

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

15.2. Chemical safety assessment

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

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SECTION 16: Other information

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
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 1, H410	Calculation method

Full text of R-, H- and EUH-phrases::

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Aquatic Acute 1, H400	AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 1, H410	AQUATIC HAZARD (LONG-TERM) - Category 1
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment

MSDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product