Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010 - Europe

# Nailchemy® SAFETY DATA SHEET

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

1.1 Product identifier Product name Product code

Various

**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
Nailchemy Limited
Unit E Thistle Park, Crossways Road,
Bridgwater, TA6 6LS
+44 1278 459066

# 1.4 Emergency telephone number National advisory body/Poison Centre Telephone number : 1-352-323-3500 Supplier Telephone number : +44 1278 459066

# SECTION 2: Hazards identification

2.1 Classification of the subst	ance or
mixture Product definition	: Mixture
Classification according to Re	gulation (EC) No. 1272/2008 [CLP/GHS
Skin Sens. 1, H317 Aquatic Chronic 2, H411	
The product is classified as haz	ardous according to Regulation (EC) 1272/2008 as amended.
Ingredients of unknown toxicity	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 100%
Ingredients of unknown ecotoxicity	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 100%
See Section 16 for the full text of	of the R phrases or H statements declared above.
See Section 11 for more detail	ed information on health effects and symptoms.

2.2 Label elements Hazard pictograms



Signal wordWarningHazard statementsMay cause an allergic skin reaction.<br/>Toxic to aquatic life with long lasting effects.

Precautionary statements

Created: 15/1/2015

General	Not applicable.
Prevention	Wear protective gloves. Avoid release to the environment. Avoid breathing dust.
Response	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention.
Storage	Not applicable.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
Special packaging requireme	<u>ents</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	Not applicable.
2.3 Other hazards	
Other hazards which do not resuH in classification	Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which cancause mechanical irritation of the eyes, skin, nose and throat.

# SECTION 2. Hazards identification

# [SECTION 3: Composition/information on ingredients

Substance/mixture

#### : Mixture

There are no 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 or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

May contain one or more of the following components in quantities considered hazardous:

				Classification	
Product/ingredient name	INCi Name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
Titanium dioxide	Titanium dioxide/Cl 77891	EC: 236-675-5 CAS: 13463-67-7	0-10	Aquatic Chronic 2, H411	[1]
D & C yetlow#10	Yellow 10/CI 47005	EC: 305-897-5 CAS: 8004-92-0	0-10	Acute Tex. 4, H302	[1]
Dibenzoyl peroxide	Benzoyl peroxide	EC: 202-327-6 CAS:94-36-0 Index: 617-008-00-0	0-5	Org. Perox. B, H241 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Sk:in Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]

Aluminum powder	Aluminum powder/Cl 77000	EC: 231-072-3 CAS: 7429-90-5 Index: 013-001-00-6	0-1	Pyr. Sol. <b>1</b> , H250 Water-react. 2, H261 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]

# [SECTION 4: First aid measures

4.1 Description of first aid me	asures
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.
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 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. In case of inhalation of decomposition products in a fire. symptoms may be delayed. The exposed person may need to be kept under medical surveillance far 48 hours.
Skin contact	Wash with plenty of soap and 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. In the event of any complaints or symptoms. avoid further exposure. 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 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. Wash contaminated clothing thoroughly with water before removing it. or wear gloves.
4.2 Most important symptom	s and effects, both acute and delayed
Potential acute heahh effect	t <u>s</u>
Eye contact	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	May cause an allergic skin reaction.

Ingestion No known significant effects or critical hazards.

Over-exposure signs/symptoms

# **SECTION 4: First aid measures**

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

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

Notes to physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance <i>tor</i> 48 hours.
Specific treatments	No specific treatment.

# [SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	Use dry chemical powder.
Unsuitable extinguishing media	Do not use water jet.
5.2 Special hazards arising fr	om <b>thesubstance</b> or <b>mixture</b>
Hazards from the substance or mixture	Fine dust clouds may form explosive mixtures with air. This material is 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 thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides halogenated compounds 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 tak:en involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk.

Special protective<br/>equipment for fire-fightersUse water spray to keep fire-exposed containers cool.Fire-fightersFire-fighters should wear appropriate protective equipment and sett-contained<br/>breathing apparatus (SCBA) with a full face-piece operated in positive pressure<br/>mode. Clothing for fire-fighters (including helmets, protective boots and gloves)<br/>conforming to European standard EN 469 will provide a basic level of protection for<br/>chemical incidents.

# [SECTION 6: Accidental release measures

6.1 Personal precautions, protect	tive equipment and emergency procedures
For <b>non-emergency</b> 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for cor	ntainment and cleaning up
Small spill	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. 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 infonnation. 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).

#### $7.1\ {\rm Precautions}\ {\rm for}\ {\rm safe}\ {\rm handling}$

Protective measures	Put on appropriate personal protective equipment (see Section 8). Persons with <b>a</b> history of skinsensitization problems should not be employed in any process in \Nhich this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Avoid release to the environment. Avoid the creation of dust \Nhen handling and avoid all possible sources of ignition (spark: or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. 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.

# **SECTION** 7: Handling and storage

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

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilatedarea,.Nlay from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. 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.

#### Seveso || Directive - Reporting thresholds (in tonnes)

#### Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
E2: Hazardous to the aquatic environment - Chronic 2	200	500

#### 7.3 Specific end use(s)

Recommendations	Not available.
Industrial sector specific solutions	Not available.

# [SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. 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

No exposure limit value known.

# 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.

#### **DNELs**[PMELs

No DNELs/DMELs available.

#### **PNECs**

No PNECs available

#### 8.2 Exposure controls

Appropriate engineering controls

Use only with adequate ventilation. 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. The engineering controls also need to **keep** gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

# SECTION 8: Exposure controls/personalprotection

Individual protection measures	
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. Contaminated work clothing should not be allowed out of the workplace. 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. If operating conditions cause high dust concentrations to be produced. use dust goggles.
Skin orotect:on	
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. Jt 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 beingperformed 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

Appearance		
Physical state	Solid. [Powder.]	
Colour	Various	
Odour	Not available.	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not available.	
Flash point	Closed cup: >93.3°C [Product does no	ot sustain combustion.]
Vapour pressure	Not available.	
Vapour density	Not available.	
Relative density	Not available.	
Auto-ignition temperature	Not available.	
<b>Decomposition temperature</b>	Not available.	
Viscosity	Not available.	
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# SECTION 9: Physical and chemical properties

#### 9.2 Other information

No additional information.

SECTION 10: Stability	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	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Tak:e precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.				
10.5 Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials				
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
D & C ye1Jow#10	LD50 Oral	Rat	2 g/kg	
dibenzoyl peroxide	LD50 Oral	Rat	6400 mg/kg	

#### Acute toxicity estimates

	Route	ATE value
Oral		18219.1 mgikg

#### Ja:tation{Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
titanium dioxide	Skin- Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-
dibenzoyl peroxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin- Severe irritant	Human	-	1344 hours 5 Percent Intermittent	-
	Skin- Moderate irritant	Woman	-	1 Percent	-

#### Information on the likely routes of exposure

Not available.

Potential acute health effects

# **SECTION 11: Toxicological information**

Eye contact	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	May cause an allergic skin reaction.
Ingestion	No known significant effects or critical hazards.
symptoms celated totheph	nysical, chemical and toxicologicaJ characteristics
Eye contact	Adverse symptoms may include the following:

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

Delayed and immediate effects	and also chronic effects fTom short and long term exposure
Short term exposure	
Potential immediate effects	Not available.
Potential delayed effects	Not available.
Lona term exposure Potential immediate effects	Not available.
Potential delayed effects	Not available.
Potential chronic health effect	<u>S</u>
Not available.	
General	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Other information	Not available.

# [SECTION 12: Ecological information

12.1 Tox.icily

# **ISECTION** 12: Ecological information

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LCS0 3 mg/I Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 6.5 mg/I Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 >1000000 µg/1Marine water	Fish - Fundulus heteroclitus	96 hours
dibenzoyl peroxide	EC50 0.83 mg/l	Algae	72 hours
2.1	EC50 0.07 mg/l	Daphnia	48 hours
	LC502 mg/l	Fish	96 hours
Aluminum powder	Acute LC50 38000 µg/1	Daphnia - Daphnia magna	48 hours
	Acute LC50 120 µg/IFresh water	Fish - Oncorhynchus mykiss - Embryo	96 hours
	Chronic NOEC 9 mg/I Fresh water	Aquatic plants - CeratophyHum demersum	3days

#### 12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
dibenzoyl peroxide	-	60 %-28 c	lays	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodegradability	
dibenzoyl peroxide	-		-		Inherent	

#### 12.3Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
titanium dioxide	-	352	low
dibenzoyl peroxide	3.2	-	low

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

P	0	du	ct

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 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

ISECTION 13: Disposal considerations		
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, watervvays, drains and sewers.	

# [SECTION 14: Transport information

	ADR/RID	AON	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	-	-	-	-
<b>14.5</b> Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

14.6 Special precautions for user

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

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

#### [SECTION 15: Regulatory information

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

EURegulation (EC) No, 1907/2006 {REACH)

Annex XIV - List of substances subject to authorisation

## Annex.XIV

None of the components are listed.

Substances of ve1V high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Other EU regulations	
Europe inventory	Not determined.
Integrated pollution prevention and control list (IPPC) - Air	Listed
Seveso    Directive	
This product is controlled un	der the Seveso II Directive.
Danger criteria	
Category	
E2: Hazardous to the aqua	atic environment - Chronic 2

# [SECTION 16: Other information

Assessment

**17** Indicates information that has changed from previously issued version.

required.

Abbreviations and	ATE = Acute Toxicity Estimate
acronyms	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 ICLP/GHSI

Classification	Justification
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

Full text of abbreviated H statements	H241 H250 H261 H302 H315 H317 H319 H400 H410	Heating may cause a fire or explosion. Catches fire spontaneously if exposed to air. In contact with water releases flammable gases. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
	H411	Toxic to aquatic life with long lasting effects.

# **ISECTION** 16: other information

Full text of classifications [CLP/GHS]	Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Aquatic Chronic 2, H411 Eye Irrit. 2, H319 Org. Perox. B, H241 Pyr. Sol. 1, H250 Skin Irrit. 2, H315 Skin Sens. 1, H317 Water-react. 2, H261	ACUTE TOXICITY {oral} - Category 4 ACUTE AQUATIC HAZARD - Category 1 LONG-TERM AQUATIC HAZARD - Category 1 LONG-TERM AQUATIC HAZARD - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION- Category 2 ORGANIC PEROXIDES - Type B PYROPHORIC SOLIDS - Category 1 SKIN CORROSION/IRRITATION- Category 2 SKIN SENSITIZATION - Category 1 SUBSTANCES AND MIXTURES, WHICH IN CONTACT WITH WATER, EMIT FLAMMABLE GASES - Category 2
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Notice to reader		

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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

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