

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 22-6-2015 Revision date: 19-8-2015 Supersedes: 22-6-2015 Version: 1.1

1.1. Product	identifier						
Product form							
Name	: 4	AGM Lead-Acid Batteries					
1.2. Relevant	2. Relevant identified uses of the substance or mixture and uses advised against						
1.2.1. Relevant	t identified uses						
ntended for genera	al public						
Main use category	: F	Professional use					
Jse of the substan	ce/mixture : E	Electrical batteries and accumulato	rs				
1.2.2. Uses ad	vised against						
	•						
	No additional information available						
1.3. Details of the supplier of the safety data sheet							
	of the supplier of the safety data	sheet					
Hefra		sheet					
Hefra Hongkongstraat 25		sheet					
Hefra Hongkongstraat 25 3047 BR Rotterdan		sheet					
Hefra Hongkongstraat 25 3047 BR Rotterdan	n - The Netherlands 3 / Mobile: +31(0)6 51042909	sheet					
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 <u>nfo@hefra.nl</u> - <u>http</u>	n - The Netherlands)3 / Mobile: +31(0)6 51042909) <u>://www.hefra.nl</u>	sheet					
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 <u>nfo@hefra.nl</u> - <u>http</u>	n - The Netherlands 33 / Mobile: +31(0)6 51042909 <u>://www.hefra.nl</u> ncy telephone number						
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 nfo@hefra.nl - http 1.4. Emerger Country	n - The Netherlands 3 / Mobile: +31(0)6 51042909 <u>b://www.hefra.nl</u> ncy telephone number Organisation/Company	Address	Emergency number	Remark			
Hefra Hongkongstraat 25 3047 BR Rotterdan T +31(0)88 400900 nfo@hefra.nl - http 1.4. Emerger	n - The Netherlands 3 / Mobile: +31(0)6 51042909 b://www.hefra.nl ncy telephone number Organisation/Company Guy's & St Thomas' Poisons		Emergency number 0870 243 2241	Remark			
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 nfo@hefra.nl - http 1.4. Emerger Country	n - The Netherlands 3 / Mobile: +31(0)6 51042909 <u>b://www.hefra.nl</u> ncy telephone number Organisation/Company Guy's & St Thomas' Poisons Unit	Address Avonley Road		Remark			
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 nfo@hefra.nl - http 1.4. Emerger Country	n - The Netherlands 3 / Mobile: +31(0)6 51042909 b://www.hefra.nl ncy telephone number Organisation/Company Guy's & St Thomas' Poisons	Address Avonley Road		Remark			
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 nfo@hefra.nl - http 1.4. Emerger Country United Kingdom	n - The Netherlands 3 / Mobile: +31(0)6 51042909 c://www.hefra.nl ncy telephone number Organisation/Company Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Centre Hospitalier Universitaire de Constantine	Address Avonley Road		Remark			
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 nfo@hefra.nl - http 1.4. Emerger Country United Kingdom	n - The Netherlands 3 / Mobile: +31(0)6 51042909 ://www.hefra.nl ncy telephone number Organisation/Company Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Centre	Address Avonley Road SE14 5ER London		Remark			
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 nfo@hefra.nl - http 1.4. Emerger Country United Kingdom SECTION 2: Ha 2.1. Classific	n - The Netherlands 3 / Mobile: +31(0)6 51042909 c://www.hefra.nl ncy telephone number Organisation/Company Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Centre Hospitalier Universitaire de Constantine azards identification cation of the substance or mixtu	Address Avonley Road SE14 5ER London		Remark			
Hefra Hongkongstraat 25 3047 BR Rotterdan F +31(0)88 400900 nfo@hefra.nl - http I.4. Emerger Country United Kingdom SECTION 2: Ha 2.1. Classific	n - The Netherlands 3 / Mobile: +31(0)6 51042909 ://www.hefra.nl ncy telephone number Organisation/Company Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Centre Hospitalier Universitaire de Constantine azards identification	Address Avonley Road SE14 5ER London		Remark			

Adverse physicochemical, human health and environmental effects

No hazards in case of an intact battery and using according the instructions. The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

2.2. Label elements

Labelling according to Regulation (EC) N	lo. 1272/2008 [CLP]
Security closing plug for children	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTIO	DN 3: Composition/information on ingredients
3.1.	Substance
Not applie	cable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Lead and Lead alloys	(CAS No) 7439-92-1 (EC no) 231-100-4	~ 32	Not classified

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Active mass (battery lead paste)	(CAS No) 7439-92-1 (EC no) 231-100-4	~ 32	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Repr. 1A, H360Df STOT RE 2, H373 Aquatic Chronic 3, H412	
sulphuric acid (Note B)	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8	~ 29	Skin Corr. 1A, H314	
Plastic Container		~ 7	Not classified	
Specific concentration limits:				

Name	Product identifier	Specific concentration limits
sulphuric acid	(EC no) 231-639-5	(5 = <c 15)="" 2,="" <="" eye="" h319<br="" irrit.="">(5 =<c 15)="" 2,="" <="" h315<br="" irrit.="" skin="">(C >= 15) Skin Corr. 1A, H314</c></c>

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: "nitric acid ... %".

In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a ght/weight basis.

Full text of H-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medica advice/attention if you feel unwell.
First-aid measures after skin contact	: Remove contaminated clothes. Wash skin with plenty of water. If skin irritation persists, take medical advice.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: Inhalation of material from a sealed battery is not an expected exposure route. Vapors or mist from a ruptured battery may cause respiratory irritation.
Symptoms/injuries after skin contact	: Contact between the battery and skin will not cause any harm. Skin contact with positive and negative terminals of high voltages may cause burns to the skin. Skin contact with a ruptured or shorted battery can cause chemical burns or irritation upon contact with the skin.
Symptoms/injuries after eye contact	: Contact between the battery and eye will not cause any harm. Eye contact with the contents o a ruptured battery can cause severe irritation to the eye.
Symptoms/injuries after ingestion	: Swallowing of material from a sealed battery is not an expected exposure route. Swallowing mists from a ruptured battery may cause respiratory irritation, chemical burns of the mouth and gastrointestinal tract irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the su	bstance or mixture
Fire hazard	: Non flammable.
Explosion hazard	: Explosion risk in case of fire.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2). Lithium Gases.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTIO	SECTION 6: Accidental release measures			
6.1.	Personal precautions, protective equipment and emergency procedures			
General r	neasures	:	If the battery material is released, remove personnel from the area until fumes dissipate. Ventilate the area to remove the hazardous gases. Leave the area and allow the batteries to cool. Avoid skin and eye contact or inhalation of vapors.	
6.1.1.	For non-emergency personnel			
Emergen	cy procedures	:	Evacuate unnecessary personnel.	
6.1.2.	For emergency responders			
Protective	e equipment	:	Equip cleanup crew with proper protection. For further information refer to section 8 :" Exposure-controls/personal protection".	
Emergen	cy procedures	:	Ventilate area.	
6.2.	Environmental precautions			
Avoid rel	ease to the environment.			
6.3.	Methods and material for containment	nt	and cleaning up	
Methods	for cleaning up	:	Mechanically recover the product.	
Other info	ormation	:	Dispose of materials or solid residues at an authorized site.	
6.4.	Reference to other sections			
For furthe	er information refer to section 8 :" Exposu	ıre	-controls/personal protection". Concerning disposal elimination after cleaning, see item 13.	
SECTIO	ON 7: Handling and storage			
7.1.	Precautions for safe handling			
Precautio	ons for safe handling	:	The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful. Concerning personal protective equipment to use, see item 8. Provide good ventilation in process area to prevent formation of vapour.	
Hygiene	measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2.	7.2. Conditions for safe storage, including any incompatibilities			
Storage of	conditions	:	Store in tightly closed, properly ventilated containers away from heat, sparks, open flame. Keep container tightly closed and dry. Store in dry, cool, well-ventilated area.	
Heat and	ignition sources	:	Keep away from heat and direct sunlight.	
7.3.	Specific end use(s)			
Electrical	batteries and accumulators.			

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Lead and Lead alloys (7439-92-1)					
EU	IOELV TWA (mg/m ³)	0,15 mg/m³			
EU	Notes	inhalable aerosol			
EU	European BEI	 70 μg/100ml (Medium: blood - Time: no restriction - Parameter: Lead (binding biological limit value) 0,075 mg/m³ (Medium: air - Time: 40 hours per week - Parameter: Lead (TWA medical surveillance threshold in air measured as a time weighted average over 40 hours per week) 40 μg/100ml (Medium: blood - Time: no restriction - Parameter: Lead (medical surveillance threshold measured in individual workers) 			
United Kingdom	WEL TWA (mg/m³)	0,15 mg/m³			
United Kingdom WEL STEL (mg/m ³)		0,45 mg/m ³ (calculated)			
sulphuric acid (7664-93-9)					
EU	Local name	Sulphuric acid (mist)			
EU	IOELV TWA (mg/m³)	0,05 mg/m³			
United Kingdom	Local name	Sulphuric acid			
United Kingdom	WEL TWA (mg/m ³)	0,05 mg/m ³ (mist)			
United Kingdom	Remark (WEL)	The mist is defined as the thoracic fraction			

- 8.2. Exposure controls
- Appropriate engineering controls

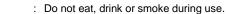
: hazards in case of damaged / ruptured battery.

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Other information

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Personal protective equipment	: Gloves. Safety glasses.
Hand protection	: Nitrile-rubber protective gloves. Permeation time: minimum >480min long term exposure: material / thickness [mm] 0.11 mm
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation



SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and	chemical properties	
Physical state	: Solid	
Appearance	: batteries and accumulators.	
Colour	: Not available.	
Odour	: Odourless.	
Odour threshold	: No data available	
pH	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: 338 °C	
Flammability (solid, gas)	: No data available	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Solubility	: No data available	
Log Pow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	
9.2. Other information		

No additional information available

Diluted sulphuric acid 30 - 38 %

9.	1. Information on basic physical and	chemical properties
Р	nysical state	: Liquid
A	opearance	: clear.
С	olour	: Colourless.
0	dour	: Odourless.
0	dour threshold	: No data available
pł	1	: 0,3
R	elative evaporation rate (butylacetate=1)	: No data available
Μ	elting point	: -5035 °C
Fi	eezing point	: -3560 °C
В	piling point	: 108 - 144 °C
FI	ash point	: No data available

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Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	14,6 mbar
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1,2 - 1,3 g/m³
Solubility	:	Miscible with water.
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	< 5 mPa.s
Explosive properties	:	Product is not explosive.
Oxidising properties	:	No data available
Explosive limits	:	No data available

Lead and Lead alloys

9.1. Information on basic physical and	chemical properties
Physical state	: Solid
Colour	: Grey.
Odour	: Odourless.
Odour threshold	: No data available
рН	: 7-8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 327 °C
Freezing point	: No data available
Boiling point	: 1740 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 1,33 hPa (at 973 °C)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 11,35 g/cm ³
Solubility	: Water: 0,15 mg/l
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: No data available
Explosive limits	: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Extremely high or low temperatures. Keep out of direct sunlight. The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

10.5. Incompatible materials

Strong acids. Strong bases.

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Hazardous decomposition products 10.6.

Carbon oxides (CO, CO2). Explosion risks of vapours.

SECTION 11: Toxicological information				
11.1. Information on toxicological effects				
Acute toxicity	Acute toxicity : Not classified			
sulphuric acid (7664-93-9)				
LD50 oral rat	2140 mg/kg			
LD50 oral	2140 mg/kg bodyweight			
LC50 inhalation rat (mg/l)	510 mg/m ³			
LC50 inhalation rat (Dust/Mist - mg/l/4h)	375 mg/l/4h			
Skin corrosion/irritation	: The product is not considered to be irritating to the skin			
Serious eye damage/irritation	: The product is not considered to be irritating to the eyes			
Respiratory or skin sensitisation	: Not specifically applicable			
Germ cell mutagenicity	: No mutagenic effect			
Carcinogenicity	: No carcinogenic effect			
Reproductive toxicity	: No indications of human reproductive toxicity exist			
Specific target organ toxicity (single exposure)	: Not classified			
Specific target organ toxicity (repeated exposure)	: Not classified			
Aspiration hazard	: Not classified			

SECTION 12: Ecological information		
12.1. Toxicity		
Lead and Lead alloys (7439-92-1)		
LC50 fishes 1	0,44 mg/l	
LC50 fish 2	1,17 mg/l	
EC50 Daphnia 1	600 µg/l	
sulphuric acid (7664-93-9)		
LC50 fishes 1	> 500 mg/l	
EC50 other aquatic organisms 1	> 100 mg/l EC50 waterflea (48 h)	
EC50 other aquatic organisms 2	> 100 mg/l IC50 algea (72 h) mg/l	
12.2. Persistence and degradability		
AGM Lead-Acid Batteries		
Persistence and degradability	Not established.	
12.3. Bioaccumulative potential		
AGM Lead-Acid Batteries		
Bioaccumulative potential	Not established.	
sulphuric acid (7664-93-9)		
Bioaccumulative potential	not bioaccumulative.	
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessmer	nt	
AGM Lead-Acid Batteries		
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
12.6. Other adverse effects		
Additional information	: Avoid release to the environment	
SECTION 13: Disposal consideration	S	
13.1. Waste treatment methods		
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.	
Additional information	: Empty containers should be taken for recycle, recovery or waste in accordance with local	

: Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.

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- Ecology waste materials: Avoid reletEuropean List of Waste (LoW) code: 16 06 00 -10 00 04 ±: 16 06 00 -
 - Avoid release to the environment.
 16 06 00 batteries and accumulators 16 06 01* - lead batteries

SECTION 14: Transport information

14.1. UN number	
UN-No. (ADR)	: 2800
UN-No. (IMDG)	: 2800
UN-No. (IATA)	: 2800
UN-No. (ADN)	: 2800
UN-No. (RID)	: 2800
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: BATTERIES, WET, NON-SPILLABLE
Proper Shipping Name (IMDG)	: BATTERIES, WET, NON-SPILLABLE
Proper Shipping Name (IATA)	: Batteries, wet, non-spillable
Proper Shipping Name (ADN)	: BATTERIES, WET, NON-SPILLABLE
Proper Shipping Name (RID)	: BATTERIES, WET, NON-SPILLABLE
Transport document description (ADR)	: UN 2800 BATTERIES, WET, NON-SPILLABLE (sulphuric acid ; Lead and Lead alloys), 8, (E)
Transport document description (IMDG)	: UN 2800 BATTERIES, WET, NON-SPILLABLE, 8
Transport document description (IATA)	: UN 2800 Batteries, wet, non-spillable, 8
Transport document description (ADN)	: UN 2800 BATTERIES, WET, NON-SPILLABLE, 8
Transport document description (RID)	: UN 2800 BATTERIES, WET, NON-SPILLABLE, 8
14.3. Transport hazard class(es)	
ADR	

ADI	
Transport hazard class(es) (ADR)	
Danger labels (ADR)	



: 8 : 8

: 8

: 8

: 8

: 8

: 8 : 8

IMDG

Transport hazard class(es) (IMDG) Danger labels (IMDG)



ΙΑΤΑ

Transport hazard class(es) (IATA) Hazard labels (IATA)

ADN

Transport hazard class(es) (ADN)	
Danger labels (ADN)	

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	- · ·
RID	
Transport hazard class(es) (RID) Danger labels (RID)	: 8
	. 0
	· ^
	8
14.4. Packing group	·••
14.4. Packing group Packing group (ADR) Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
- Overland transport	
Classification code (ADR)	: C11
Special provisions (ADR)	: 238, 295, 598
Limited quantities (ADR)	: 11
Excepted quantities (ADR) Packing instructions (ADR)	: E0 : P003, P801a
Special packing provisions (ADR)	: PP16
Transport category (ADR)	: 3
Special provisions for carriage - Bulk (ADR)	: VC1, VC2, AP8
Hazard identification number (Kemler No.)	: 80
Orange plates	80
	2800
Tunnel restriction code (ADR)	: E
EAC code	: 2R
- Transport by sea	
Special provisions (IMDG)	: 29, 238
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P003
Special packing provisions (IMDG)	: PP16 : F-A
EmS-No. (Fire) EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Metal plates immersed in gelled alkaline or acid electrolyte in a glass, hard rubber or plastics
	receptacle of a non-spillable type. When electrically charged, may cause fire through short- circuiting of terminals. Cause burns to skin, eyes and mucous membranes.
MFAG-No	: 154

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- Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 872
PCA max net quantity (IATA)	: No limit
CAO packing instructions (IATA)	: 872
CAO max net quantity (IATA)	: No limit
Special provisions (IATA)	: A48, A67, A164, A183
ERG code (IATA)	: 8L
- Inland waterway transport	
Classification code (ADN)	: C11
Special provisions (ADN)	: 238, 295, 598
Limited quantities (ADN)	: 1L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0
- Rail transport	
Classification code (RID)	: C11
Special provisions (RID)	: 238, 295, 598
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P003, P801a
Special packing provisions (RID)	: PP16
Transport category (RID)	: 3
Special provisions for carriage – Bulk (RID)	: VC1, VC2, AP8
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

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

4	Abbreviations and acronyms:		
	PBT	Persistent Bioaccumulative Toxic	
	vPvB	Very Persistent and Very Bioaccumulative	

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.	Other information	storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may
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Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Repr. 1A	Reproductive toxicity, Category 1A
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H360Df	May damage the unborn child. Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet applicable for regions

: GB - United Kingdom

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SDS 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