

Safety Data Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis Date of issue: 03/03/2023 Revision date: 20/03/2023 Supersedes: 03/03/2023 Version: 1.1

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

1.1. Product identifier	
Product form Product name Product code Synonyms	 Article Lithium Thionyl Chloride ER14250, ER14505, ER17505, ER18505, ER14250M, ER14505M, ER17505M & ER18505M Primary Lithium Thionyl Chloride cylindrical cells
1.2. Relevant identified uses of the sub	stance or mixture and uses advised against
1.2.1. Relevant identified uses Use of the substance/mixture	: Small electronics control panels Wireless Security Rechargeable Lithium Thionyl Chloride batteries for small electronics and wireless security in commercial buildings
1.2.2. Uses advised against	
Restrictions on use	: Anything other than the above
1.3. Details of the supplier of the safety	/ data sheet
Only representative: Europark Fichtenhain B 17 47807 Krefeld Germany Telephone: +49 (0) 2151 82095 00 E-mail: info@gs-yuasa.de Supplier: GS Yuasa Battery Europe Limited Unit 22 Rassau Industrial Estate Ebbw Vale, Gwent	
E-mail: tech.info@gs-yuasa.uk	
1.4. Emergency telephone number	
Emergency number	: Germany

GS Yuasa Battery Germany GmbH Responsible Person: Thomas WALLRAFF (Technical Manager) Telephone: (+49) 02151-82095-27 E-mail: Thomas.Wallraff@gs-yuasa.de Language: German English Monday - Friday 8:30 – 4.30

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification

: This product meets the definition of an "article" as defined in Regulation (EC) No. 1907/2006 (REACH), and is therefore out of scope of CLP.

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 Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
thionyl dichloride; thionyl chloride	CAS-No.: 7719-09-7 EC No.: 231-748-8 EC index No.: 016-015-00-0	40 – 45	Acute Tox. 4 (Oral), H302 (ATE=324 mg/kg bodyweight) Acute Tox. 3 (Inhalation:gas), H331 (ATE=700 ppmv/4h) Skin Corr. 1A, H314 EUH014 EUH029
lithium	CAS-No.: 7439-93-2 EC No.: 231-102-5 EC index No.: 003-001-00-4	3.5 – 5	Water-react. 1, H260 Skin Corr. 1B, H314 EUH014
Aluminium chloride, anhydrous	CAS-No.: 7446-70-0 EC No.: 231-208-1 EC index No.: 013-003-00-7	1 - 5	Skin Corr. 1B, H314 Eye Dam. 1, H318 EUH014
Lithium chloride	CAS-No.: 7447-41-8 EC No.: 231-212-3	0.1 – 2	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Irrit. 2, H319

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
thionyl dichloride; thionyl chloride	CAS-No.: 7719-09-7 EC No.: 231-748-8 EC index No.: 016-015-00-0	(1 ≤C ≤ 100) STOT SE 3, H335	

Full text of H- and EUH-statements: see section 16

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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	: If a battery ruptures, move to fresh air in case of accidental inhalation of mist. Remove person to fresh air and keep comfortable for breathing. If symptoms develop, obtain medical attention.
First-aid measures after skin contact	: If battery ruptures: Remove contaminated clothing immediately. Immediately call a POISON CENTRE or doctor/physician. Wash immediately with lots of water (15 minutes)/shower.
First-aid measures after eye contact	: If battery ruptures: Rinse immediately with plenty of water (for at least 15 minutes). Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: If battery ruptures: Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. Immediately call a POISON CENTRE or doctor/physician.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/effects after inhalation	: Harmful if inhaled. If a battery ruptures, may be harmful or fatal if inhaled in a confined area.
Symptoms/effects after skin contact	: Causes severe burns. Direct contact with internal components of a battery can be severely irritating to the skin and may result in redness, swelling, burns and severe skin damage.
Symptoms/effects after eye contact	: Causes serious eye damage. If a battery ruptures, direct contact with the liquid or exposure to vapours or mists may cause tearing, redness, swelling, corneal damage and irreversible eye damage.
Symptoms/effects after ingestion	: Harmful if swallowed.
4.3. Indication of any immediate med	ical attention and special treatment needed

Treat symptomatically. Contact ophthalmologist immediately.

 Use extinguishing media appropriate for surrounding fire. If a battery ruptures, use dry chemical, soda ash, lime, sand or carbon dioxide. None known. 			
5.2. Special hazards arising from the substance or mixture			
 Battery may rupture due to pressure buildup when exposed to excessive heat and may be result in the release of corrosive materials. Carbon monoxide. Carbon dioxide. 			
 Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Avoid fire-fighting water entering the environment. Do not enter fire area without proper protective equipment including respiratory protection. 			

SECTION 6: Accidental releas	e measures
6.1. Personal precautions, protect	tive equipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Use personal protective equipment as required.
Emergency procedures	: Ventilate area. Evacuate unnecessary personnel. Do not get in eyes, on skin, or on clothing.
6.1.2. For emergency responders	
Protective equipment	 Wear suitable protective clothing and eye or face protection. Where excessive dust may result, wear approved mask. Do not get in eyes, on skin, or on clothing. Do not breathe dust.

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Emergency procedures

: Ventilate area. Do not get in eyes, on skin, or on clothing.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters. Do not allow contact with water.

6.3. Methods and material for containment a	ind cleaning up
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Small spills: collect all released material in a plastic lined metal container. Take up liquid spill into absorbent material or Neutralize with sodium bicarbonate. Large spills: Take up liquid spill into absorbent material, e.g.: sand/earth. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Do not get in eyes, on skin, or on clothing. Prolonged short circuits will cause high cell temperatures which can cause skin burns. Accidental short circuit for a few seconds will not seriously affect the battery. However, this battery is capable of delivering very high short circuit currents. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, including	g any incompatibilities
Technical measures	: Take precautionary measures against static discharge. Provide local exhaust or general room ventilation.
Storage conditions	: Store in a dry, cool and well-ventilated place. Store away from direct sunlight or other heat sources.
Incompatible materials	: Strong oxidising agents. Strong acids.
7.3. Specific end use(s)	

Small electronics. control panels. Wireless Security. Rechargeable Lithium Thionyl Chloride batteries for small electronics and wireless security in commercial buildings.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Carbon black (1333-86-4)		
Ireland - Occupational Exposure Limits		
Local name	Carbon black	
OEL (8 hours ref) (mg/m ³)	3 mg/m ³ I (Inhalable Fraction)	
Regulatory reference	Chemical Agents Code of Practice 2021	
United Kingdom - Occupational Exposure Limits		
Local name	Carbon black	
WEL TWA (mg/m³)	3.5 mg/m³	

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Carbon black (1333-86-4)		
WEL STEL (mg/m³)	7 mg/m³	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
thionyl dichloride; thionyl chloride (7719-09-7)		
Ireland - Occupational Exposure Limits		
Local name	Thionyl chloride	
OEL (15 min ref) (mg/m3)	1 mg/m ³	
OEL STEL [ppm]	0.2 ppm	
Regulatory reference	Chemical Agents Code of Practice 2021	
United Kingdom - Occupational Exposure Limits		
Local name	Thionyl chloride	
WEL STEL (mg/m³)	4.9 mg/m ³	
WEL STEL (ppm)	1 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
Nickel (Ni) (7440-02-0)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Nickel metal	
IOELV TWA (mg/m³)	0.005 mg/m³ (respirable fraction) 0.01 mg/m³ (inhalable fraction)	
Notes	(Year of adoption 2011) (Year of adoption 2011)	
Regulatory reference	SCOEL Recommendations SCOEL Recommendations	
EU - Biological Limit Value (BLV)		
Local name	Nickel and nickel compounds	
Regulatory reference	SCOEL List of recommended health-based BLVs and BGVs	
Ireland - Occupational Exposure Limits		
Local name	Nickel	
OEL (8 hours ref) (mg/m³)	0.5 mg/m³	
Remark	Sens. (In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The notation does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitizers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))	
Regulatory reference	Chemical Agents Code of Practice 2021	
Ireland - Biological limit values		
Local name	Nickel	
Ireland - BMGV	3 μg/l Parameter: Ni - Medium: urine - Sampling time: After several consecutive working shifts	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	

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Nickel (Ni) (7440-02-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Nickel
WEL TWA (mg/m³)	 0.1 mg/m³ and its inorganic compounds (except nickel tetracarbonyl): water-soluble nickel compounds (as Ni) 0.5 mg/m³ and its inorganic compounds (except nickel tetracarbonyl): nickel and water insoluble nickel compounds (as Ni)
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), Carc (Capable of causing cancer and/or heritable genetic damage (nickel oxides and sulphides)), Sen (Capable of causing occupational asthma (nickel sulphate))
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation to minimise dust concentrations.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

Wear goggles or safety glasses with side shields if contact with the eyes is possible

8.2.2.2. Skin protection

Skin and body protection:

Impervious clothing. EN 13034. Large quantities: EN 14605. Corrosionproof suit

Hand protection:

Not required for normal conditions of use. Use neoprene or natural rubber gloves if handling an open or leaking battery.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140 with Type A/P2 filter or better

8.2.2.4. Thermal hazards

Thermal hazard protection:

Not required for normal conditions of use.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Do not allow to enter drains or water courses.

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Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures. Contaminated work clothing should not be allowed out of the workplace. Keep away from food, drink and animal feeding stuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	Not available
Appearance	:	Cylindrical.
Odour	:	Odourless.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	Not available
Flammability (solid, gas)	:	Not available
Explosive limits	:	Not applicable
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not available
рН	:	Not available
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Solubility	:	Not applicable.
Log Kow	:	Not available
Vapour pressure	:	Not applicable
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4. Conditions to avoid

Overcharging. Remove all sources of ignition. If battery ruptures, avoid contact with organic materials and alkaline materials. mechanical impacts.

10.5. Incompatible materials

Strong oxidising agents. Strong acids.

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10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information			
11.1. Information on hazard classes as define	11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified		
thionyl dichloride; thionyl chloride (7719-09-7)			
LD50 oral, rat	324 mg/kg bodyweight		
Lithium chloride (7447-41-8)			
LD50 dermal, rat	> 2000 mg/kg (OECD 402 method)		
Skin corrosion/irritation :	Not classified		
Serious eye damage/irritation :	Not classified		
Respiratory or skin sensitisation :	Not classified		
Germ cell mutagenicity :	Not classified		
Carcinogenicity :	Not classified		
Reproductive toxicity :	Not classified		
Lithium chloride (7447-41-8)			
NOEL, Maternal Toxicity, oral, rat	30 mg/kg bw/day ((OECD 414 method))		
NOEL, Embryotoxicity, oral, rat	90 mg/kg bw/day ((OECD 414 method))		
STOT-single exposure :	Not classified		
STOT-repeated exposure :	Not classified		
Aspiration hazard :	Not classified		

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity	
Hazardous to the aquatic environment, short-term : (acute) Hazardous to the aquatic environment, long-term : (chronic)	Not classified
lithium (7439-93-2)	
LC50 fish	109 mg/l - 96 Hours (Danio rerio)
EC50 Daphnia	19.1 mg/l - 48 Hours (Daphnia magnai)
Lithium chloride (7447-41-8)	
LC50 fish	158 mg/l - 96 Hours (Oncorhynchus mykiss) (OECD 203 method)
EC50 Daphnia	249 mg/l - 48 Hours (Daphnia magna) (OECD 202 method)
EC50 72h - Algae [1]	112 mg/l - 72 Hours (Desmodesmus subspicatus) (OECD 201 method) [Yield]
EC50 72h - Algae [2]	> 400 mg/l - 72 Hours (Desmodesmus subspicatus) (OECD 201 method) [Growth rate]
NOEC chronic fish	17.35 mg/l - 34 days (Danio rerio) (OECD 210 method)
NOEC chronic crustacea	1.7 mg/l - 21 days (Daphnia magna) (OECD 211 method)

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12.2. Persistence and degradability		
lithium (7439-93-2)		
ersistence and degradability Not relevant for inorganic substances.		
thionyl dichloride; thionyl chloride (7719-09-7)		
Persistence and degradability	Not relevant for inorganic substances.	
Aluminium chloride, anhydrous (7446-70-0)		
Persistence and degradability	Not relevant for inorganic substances.	
12.3. Bioaccumulative potential		
No additional information available		
12.4. Mobility in soil		
Aluminium chloride, anhydrous (7446-70-0)		
Ecology - soil	Water-reactive.	
12.5. Results of PBT and vPvB assessment		
Lithium Thionyl Chloride		
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. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		

No additional information available

SECTION 13: Disposal considerations			
13.1. Waste treatment methods			
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.		
Ecology - waste materials	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.		
European List of Waste (LoW) code	: 16 06 05 - other batteries and accumulators		

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number or ID number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA)	: UN 3090 : UN 3090 : UN 3090
14.2. UN proper shipping name	
Proper Shipping Name Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Transport document description (ADR) Transport document description (IMDG)	 LITHIUM METAL BATTERIES LITHIUM METAL BATTERIES Lithium metal batteries UN 3090 LITHIUM METAL BATTERIES, 9A, (E) UN 3090 LITHIUM METAL BATTERIES, 9

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Transport document description (IATA)	: UN 3090 Lithium metal batteries, 9A
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR) Hazard labels	9A 9A
IMDG Transport hazard class(es) (IMDG) Danger labels (IMDG)	
IATA Transport hazard class(es) (IATA) Danger labels (IATA)	9A 9A 1
14.4. Packing group	
Packing group Packing group (IMDG) Packing group (IATA)	Not applicableNot applicableNot applicable
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	 No No No supplementary information available
14.6. Special precautions for user	
Overland transport Tunnel restriction code (ADR) EAC code	: E : 4Y
Transport by sea No data available	
Air transport No data available	
14.7. Maritime transport in bulk according t	o IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Not applicable.

REACH Annex XIV (Authorisation List)

Not applicable.

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
13	Disposal considerations	Modified	

Abbreviations and acronyms:	
European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
European Agreement concerning the International Carriage of Dangerous Goods by Road	
Chemical Abstract Service number	
Acute Toxicity Estimate	
Bioconcentration factor	
Biological limit value	
Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
Derived Minimal Effect level	
Derived-No Effect Level	
European Community number	

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Abbreviations and acronyms:	
EC50	Median effective concentration
ED	Endocrine disrupting properties
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
IOELV	Indicative Occupational Exposure Limit Value
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
WGK	Water Hazard Class
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.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
EUH014	Reacts violently with water.
EUH029	Contact with water liberates toxic gas.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H260	In contact with water releases flammable gases which may ignite spontaneously.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

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Full text of H- and EUH-statements:	
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation
Water-react. 1	Substances and Mixtures which, in contact with water, emit flammable gases, Category 1

Safety Data Sheet (SDS), EU

- BATTERY WARNING: KEEP OUT OF REACH OF CHILDREN
- Store spare batteries securely
- Dispose of used batteries immediately and safely; and
- If you think batteries might have been swallowed or place inside any part of the body, seek immediate medical attention

• All batteries are supplied with only a residual charge and should be charged at the continuous charge rate before use - they are not precharged for use

- Do not mix different types of battery
- Always install the batteries correctly as per instruction
- Ensure that the contact points are clean and conductive

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.