Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 11/1/2018 Revision date: 11/1/2018 Supersedes: 9/29/2017 Version: 2.00

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

1.1. Product identifier

Product form : Article

Trade name : Lithium Battery BU191 Part no.: 21955/F145068

Article number : 71092238

Type of product : This product is an article under the REACH definition. As the Classification and labelling

regulations (CLP) strictly applies to substances and mixtures it does not make provision for articles. However this product SDS and the defined labelling is provided voluntarily. As a

duty of care to the user.

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Lithium batteries

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier Email competent person

Endress+Hauser GmbH+Co. KG sds@kft.de

Hauptstraße 1 D-79689 Maulburg T +49 (0)7622 280

1.4. Emergency telephone number

Emergency number : Emergency call University of Mainz

Tel.+49-6131-19240 www.giftinfo.uni-mainz.de

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Substances and Mixtures which, in contact with water, emit flammable H260

gases, Category 1

Acute toxicity (oral), Category 4

Skin corrosion/irritation, Category 1A

Serious eye damage/eye irritation, Category 1

H318

Specific target organ toxicity — Single exposure, Category 3,

H335

Respiratory tract irritation

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

In contact with water releases flammable gases which may ignite spontaneously. Harmful if swallowed. May cause respiratory irritation. Causes severe skin burns and eye damage. Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms (CLP)





GHS02

GHS05

GHS07

Signal word (CLP) : Danger

Hazardous ingredients : lithium; aluminium chloride, anhydrous; Lithium chloride; Thionyl dichloride

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Hazard statements (CLP) : H260 - In contact with water releases flammable gases which may ignite spontaneously.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H335 - May cause respiratory irritation.

Precautionary statements (CLP) : P223 - Do not allow contact with water. P308+P311 - IF exposed or concerned: Call a POISON CENTER, a doctor.

P370+P378 - In case of fire: Use carbon dioxide (CO2), sand, extinguishing powder to

extinguish.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

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	(CAS-No.) 7719-09-7 (EC-No.) 231-748-8 (EC Index-No.) 016-015-00-0	>=25 - <50	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314 STOT SE 3, H335	
Carbon black substance with national workplace exposure limit(s) (GB)	(CAS-No.) 1333-86-4 (EC-No.) 215-609-9	>=5 - <10	Not classified	
lithium	(CAS-No.) 7439-93-2 (EC-No.) 231-102-5 (EC Index-No.) 003-001-00-4	>=2.5 - <5	Water-react. 1, H260 Skin Corr. 1B, H314	
aluminium chloride, anhydrous	(CAS-No.) 7446-70-0 (EC-No.) 231-208-1 (EC Index-No.) 013-003-00-7	>=2.5 - <5	Skin Corr. 1B, H314 Eye Dam. 1, H318	
Lithium chloride	(CAS-No.) 7447-41-8 (EC-No.) 231-212-3	>=1 - <2.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Ethene, chloro-, homopolymer substance with national workplace exposure limit(s) (GB)	(CAS-No.) 9002-86-2	>=0.1 - <1	Not classified	
Specific concentration limits:		·		
Name	Product identifier	Specific co	Specific concentration limits	
Thionyl dichloride	(CAS-No.) 7719-09-7 (EC-No.) 231-748-8 (EC Index-No.) 016-015-00-0	(C >= 1) STC	T SE 3, H335	

Comments : Lithium battery, Weight: 0.3 kg, Lithium content: 10 g

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately. Take off immediately all contaminated clothing. Symptoms of

poisoning may not appear for several hours. supervision of a doctor is necessary during at

least 48h after an accident happenend.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a

doctor if you feel unwell.

First-aid measures after skin contact : Brush off loose particles from skin, Immerse in cool water/wrap in wet bandages, Rinse

skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

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First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns

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 : Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. May release: Sulphur oxides. Hydrogen chloride.

Aluminium oxides. Lithium oxides.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be

done according to official regulations. Cool closed containers exposed to fire with water

spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Concerning personal protective equipment to use, see section 8. Avoid contact with skin,

eyes and clothing.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Do not flush with water.

Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Protect from moisture. Do not allow contact with water. Avoid contact with eyes. Do not

pierce or burn, even after use.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from moisture. Store in a dry place. Store in a well-ventilated place. Keep cool.

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Incompatible materials : Water, humidity. Storage temperature : $< 30 \, ^{\circ}\text{C}$

Information about storage in one common storage : Keep away from food, drink and animal feeding stuffs.

facility

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

PNEC sediment (freshwater)

PNEC sediment (marine water)

Ethene, chloro-, homopolymer (9002-86-2)			
United Kingdom	Local name	Polyvinyl chloride	
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ inhalable dust 4 mg/m³ respirable dust	
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE	

Carbon black (1333-86-4)			
United Kingdom	Local name	Carbon black	
United Kingdom	WEL TWA (mg/m³)	3.5 mg/m³	
United Kingdom	WEL STEL (mg/m³)	7 mg/m³	
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE	

aluminium chloride, anhydrous (7446-70-0)			
DNEL/DMEL (Workers)			
Acute - local effects, inhalation	Insufficient data available		
Long-term - local effects, inhalation	Insufficient data available		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	0.3 mg/kg bodyweight/day		
Lithium chloride (7447-41-8)			
DNEL/DMEL (Workers)			
Acute - systemic effects, dermal	100 mg/kg bodyweight/day		
Acute - systemic effects, inhalation	30 mg/m ³		
Long-term - systemic effects, dermal	73.2 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	10 mg/m³		
DNEL/DMEL (General population)			
Acute - systemic effects, dermal	50 mg/kg bodyweight		
Acute - systemic effects, inhalation	30 mg/m³		
Acute - systemic effects, oral	21.96 mg/kg bodyweight		
Long-term - systemic effects,oral	7.32 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	10 mg/m³		
Long-term - systemic effects, dermal	73.2 mg/kg bodyweight/day		
PNEC (Water)			
PNEC aqua (freshwater)	10.4 mg/l		
PNEC aqua (marine water)	1.04 mg/l		
PNEC aqua (intermittent, freshwater)	10.4 mg/l		
PNEC (Sediment)			

49.9 mg/kg dwt

4.99 mg/kg dwt

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Lithium chloride (7447-41-8)		
PNEC (Soil)		
PNEC soil 4.13 mg/kg dwt		
PNEC (STP)		
PNEC sewage treatment plant 140.2 mg/l		
Thionyl dichloride (7719-09-7)		
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	1 mg/m³	
Long-term - local effects, inhalation 1 mg/m³		

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Do not pierce or burn, even after use.

Hand protection:

Not required for normal conditions of use. Chemically resistant protective gloves. EN 374. Nitrile rubber. Chloroprene rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
,	Nitrile rubber (NBR), Chloroprene rubber (CR)				

Eye protection:

Wear closed safety glasses. EN 166. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

Skin and body protection:

Wear suitable protective clothing. EN 340

Respiratory protection:

Not required for normal conditions of use. In case of unintended release: Respiratory protective device with a combined gas and particle filter. EN 143. Filter type: ABEK-P2. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

Environmental exposure controls:

Avoid release to the environment.

Other information:

Take off immediately all contaminated clothing. Do not get in eyes, on skin, or on clothing. Keep away from food, drink and animal feeding stuffs. Do not eat and do not drink during use. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Colour : According to product specification.
Odour : characteristic.

Odour threshold : No data available pH : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : Not applicable Boiling point : 75 °C

Flash point : Not applicable

Auto-ignition temperature : > 300

Decomposition temperature : No data available

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Flammability (solid, gas) : Not self-igniting, In contact with water releases flammable gases which may ignite

spontaneously.

Vapour pressure : 124 hPa (20 °C)
Relative vapour density at 20 °C : No data available
Relative density : No data available

Solubility : Insoluble.

Log Pow : No data available
Viscosity, kinematic : Not applicable
Viscosity, dynamic : Not applicable
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

Other properties : No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

In contact with water releases flammable gases which may ignite spontaneously.

10.4. Conditions to avoid

Water, humidity.

10.5. Incompatible materials

Water. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On contact with water: Hydrogen. Lithium oxides. Thermal decomposition generates: Chlorine. Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Oral: Harmful if swallowed.

Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation) : Inhalation:dust,mist: Not classified. (Based on available data, the classification criteria are

not met)

ATE CLP (oral) 564 mg/kg bodyweight

Lithium chloride (7447-41-8)	
LD50 oral rat	526 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 5.57 mg/l/4h

Thionyl dichloride (7719-09-7)	
LD50 oral rat	270 mg/kg bodyweight (EU Method B.1)
LC50 inhalation rat (Vapours - mg/l/4h)	2.717 ppm/4h
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

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Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Not relevant)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Acute aquatic toxicity : Not classified (Based on available data, the classification criteria are not met)

Chronic aquatic toxicity : Not classified (Based on available data, the classification criteria are not met)

Carbon black	
LC50 fish 1	1000 mg/l (96 h; Danio rerio; (OECD 203 method))
EC50 Daphnia 1	> 5600 mg/l (24 h; Daphnia magna; (OECD 202 method))
NOEC chronic algae	> 10000 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
aluminium chloride, anhydrous (7446-70-0)	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
Ethene, chloro-, homopolymer (9002-86-2)	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
Carbon black (1333-86-4)	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
Lithium chloride (7447-41-8)	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

Other adverse effects : No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not

dispose of with domestic waste. Do not discharge into drains or the environment.

Additional information : Do not pierce or burn, even after use.

European List of Waste (LoW) code : 16 06 05 - other batteries and accumulators

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HP Code

- : HP3 "Flammable:"
- flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
- flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
- HP6 "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
- HP8 "Corrosive:" waste which on application can cause skin corrosion.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number			1	
3090	3090	3090	3090	3090
14.2. UN proper shippin	g name			
LITHIUM METAL BATTERIES	LITHIUM METAL BATTERIES	Lithium metal batteries	LITHIUM METAL BATTERIES	LITHIUM METAL BATTERIES
Transport document descr	iption			
UN 3090 LITHIUM METAL BATTERIES, 9A, (E)	UN 3090 LITHIUM METAL BATTERIES, 9	UN 3090 Lithium metal batteries, 9	UN 3090 LITHIUM METAL BATTERIES, 9A	UN 3090 LITHIUM METAL BATTERIES, 9A
14.3. Transport hazard	class(es)		1	
9A	9	9	9A	9A
14.4. Packing group			1	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment: No
No supplementary information	n available		•	ı

14.6. Special precautions for user

Special transport precautions : According to the UN Recommendations on the Transport of Dangerous Goods, Manual of

Tests and Criteria, "Lithium batteries" Part III, Section 38.3. All tests were passed.

Overland transport

Classification code (ADR) : M4

Special provisions (ADR) : 188, 230, 310, 376, 377, 636

Limited quantities (ADR) : 0

Excepted quantities (ADR) : E0

Transport category (ADR) : 2

Tunnel restriction code (ADR) : E

EAC code : 4W

Transport by sea

Special provisions (IMDG) : 188, 230, 310, 376, 377

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Limited quantities (IMDG) : 0

Excepted quantities (IMDG) : E0

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-I

Stowage and handling (IMDG) : SW19

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Forbidden
PCA limited quantity max net quantity (IATA) : Forbidden
PCA packing instructions (IATA) : Forbidden
PCA max net quantity (IATA) : Forbidden
CAO max net quantity (IATA) : See 968

Special provisions (IATA) : A88, A99, A154, A164, A183, A201, A206

Inland waterway transport

Classification code (ADN) : M4

Special provisions (ADN) : 188, 230, 310, 376, 377, 636

Limited quantities (ADN) : 0
Excepted quantities (ADN) : E0

Rail transport

Classification code (RID) : M4

Special provisions (RID) : 188, 230, 310, _376, 677, 636

Limited quantities (RID) : 0

Excepted quantities (RID) : E0

Transport category (RID) : 2

Hazard identification number (RID) : 90

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

Other information, restriction and prohibition

regulations

: Take note of Directive 94/33/EC on the protection of young people at work. This product is an article and has not to be classified and labelled according to the current laws and regulations. If shipped in or with equipment use UN3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED

WITH EQUIPMENT.

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (to	nnes)
	Lower-tier	Upper-tier
O2 Substances and mixtures which in contact with water emit flammable gases, Category 1	100	500

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:					
Section	Changed item	Change	Comments		
	General revision				

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8.1	Control parameters		Modified				
13.1	European List of Waste (LoW) code		Added				
15.1	REACH Annex XVII		Modified				
Abbreviations and acron	Abbreviations and acronyms:						
ADN		European Agreement of	concerning the International Carriage	of Dangerous Goods by Inland Waterways			
ADR		European Agreement concerning the International Carriage of Dangerous Goods by Road					
ATE		Acute Toxicity Estimate					
BCF		Bioconcentration factor					
CLP		Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008					
DMEL		Derived Minimal Effect level					
DNEL		Derived-No Effect Level					
DPD		Dangerous Preparations Directive 1999/45/EC					
DSD		Dangerous Substances Directive 67/548/EEC					
EC50		Median effective concentration					
IARC		International Agency for Research on Cancer					
IATA		International Air Transport Association					
IMDG		International Maritime Dangerous Goods					
LC50		Median lethal concentration					
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					
PBT		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					
TLM		Median Tolerance Limit					
vPvB		Very Persistent and Very Bioaccumulative					
Data sources	:	Information provided by	the manufacturer. ECHA (European	n Chemicals Agency).			

Department issuing data specification sheet:

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Contact person : Dr. Dagmar Hofmann

Full text of H- and EUH-statements:		
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	

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Skin Corr. 1A	Skin corrosion/irritation, Category 1A		
Skin Corr. 1B	Skin corrosion/irritation, 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		
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.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H331	Toxic if inhaled.		
H335	May cause respiratory irritation.		

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:			
Water-react. 1	H260	Calculation method	
Acute Tox. 4 (Oral)	H302	Calculation method	
Skin Corr. 1A	H314	Calculation method	
Eye Dam. 1	H318	Calculation method	
STOT SE 3	H335	Calculation method	

KFT SDS EU 00

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

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