

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Article 31**

Printing date 08.12.2025

Version number 4 (replaces version 3)

Revision: 07.12.2025

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

· **1.1 Product identifier**

· **Trade name:** **Battery 630Wh**

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

No further relevant information available.

· **Application of the substance / the mixture**

Battery

Accumulator

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Yamaha Motor eBike Systems GmbH

Sickingenstr. 29-38

10553 Berlin

Germany

Tel. +49 (0) 30 343 498 100

Fax +49 (0) 30 343 498 122

service.ebike@yamaha-ebike-systems.com

· **Informing department:**

Technical Service:

Tel. +49 (0) 30 343 498 100

· **1.4 Emergency telephone number:**

Phone: +49 (0) 30 343 498 100

Office hours Mo. - Fr. 9:00 - 16:00

\* **SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is an article and is not subject to chemicals legislation.

The product is subject to Regulation (EU) 2023/1542 on batteries and waste batteries

For this product (substance/mixture/article) there is not obligatory requirement to prepare a safety data sheet according article 31 of the regulation (EC) 1907/2006. This information sheet gives relevant details according article 32 of the mentioned regulation.

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**

Restricted to professional users.

· **2.3 Other hazards**

The ingredients of the battery/accumulator/cell are situated in hermetically sealed containers which are designed to resist temperature and pressure under proper and intended use conditions. There is neither an ignition nor an explosion hazard nor the risk of spilling components. Contact with ingredients of the battery/accumulator/cell can be excluded under proper and intended use conditions.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

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- **vPvB:** Not applicable
- **Determination of endocrine-disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

### \* SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

##### · **Description:**

This product contains hazardous substances or mixtures which are not released under normal or reasonably foreseeable use conditions.

Exposure to the listed substances only is possible in case of cell rupture or leakage.

Each cell consists of a hermetically closed body housing, which contains the hazardous ingredients listed below and additional ingredients not requiring labelling, where applicable.

##### · **Dangerous components:**

CAS: 1307-96-6 EINECS: 215-154-6 Index number: 027-002-00-4	cobalt oxide ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	25 - 50%
CAS: 1313-13-9 EINECS: 215-202-6 Index number: 025-001-00-3 Reg.nr.: 01-2119452801-43-X	manganese dioxide ⚠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	25 - 50%
CAS: 1313-99-1 EINECS: 215-215-7 Index number: 028-003-00-2 Reg.nr.: 01-2119467172-41-X	nickel monoxide ⚠ Carc. 1A, H350i; STOT RE 1, H372; ⚠ Skin Sens. 1, H317; Aquatic Chronic 4, H413	25 - 50%
CAS: 7440-44-0 EINECS: 231-153-3 Reg.nr.: 01-2119966900-32-X	carbon ⚠ Flam. Sol. 1, H228; Self-heat. 1, H251	25 - 50%
CAS: 7440-50-8 EINECS: 231-159-6 Index number: 029-026-00-0 Reg.nr.: 01-2119480154-42-X	copper ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1)	≥ 2.5 - < 10%

##### · **Non-dangerous components**

Each battery contains inert ingredients such as wires, rubber parts and plastic connectors, metal screws, and hardened, non-hazardous epoxy compounds.

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · **General information**

This product does not cause health hazards under normal use conditions.

Measures stated are for contact with the ingredients of the cell/battery.

Perform the measures listed below in case of contact with ingredients of the battery/accumulator caused by a damage of the housing.

Instantly remove any clothing contaminated by the product.

##### · **After inhalation**

Provide fresh air. Keep victims quiet and warm.

In case of persistent symptoms consult doctor.

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- **After skin contact**

Remove contaminated clothing immediately.  
 Instantly wash with water and soap and rinse thoroughly.  
 After skin contact take special care of product remains sticking between skin and clothing.  
 If skin irritation continues, consult a doctor.  
 Wash contaminated clothing before re-use.  
 Discard contaminated shoes.

- **After eye contact**

Rinse opened eye for several minutes under running water.  
 Call a doctor immediately.  
 Remove contact lenses if possible.  
 Do not rub eyes dry, the mechanical stress can cause additional cornea damages.

- **After swallowing**

Rinse mouth and immediately consult physician.  
 Give small quantities of water to drink.  
 Do not induce vomiting.  
 A person vomiting while lying on their back should be turned onto their side.

- **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**

A symptomatic therapy is to be induced.

## \* SECTION 5: Firefighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents**

Use fire fighting measures that suit the environment.  
 Continue colling extinguished product with firefighting water.  
 Use plenty of water: water jet or water spray.

- **For safety reasons unsuitable extinguishing agents**

Special powder for metal fires is of limited use because neighbouring cell can be cooled only insufficiently.

- **5.2 Special hazards arising from the substance or mixture**

In case of burning or thermal decomposition product releases poisonous and corrosive gases/fumes.  
 Controlled degassing may happen.  
 Can be released in case of fire:  
 Carbon monoxide and carbon dioxide  
 Hydrogen fluoride (HF)  
 Fluorohydrocarbons  
 Metal oxides

- **5.3 Advice for firefighters**

- **Protective equipment:**

In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.

- **Additional information**

Remove goods in stock from incendiary zone, if possible.  
 Collect contaminated fire fighting water separately. It must not enter drains. Provide sufficient fire fighting water retention.  
 Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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### \* SECTION 6: Accidental release measures

#### · **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

The electrolyte may be a flammable and caustic substance/liquid. In case of leakage of electrolyte immediately remove the batteries/accumulators/cells from open flames.

Keep away from sources of ignition - No smoking.

The electrolyte may be irritant for the skin and for the eyes.

Avoid contact to eyes, skin and clothes.

The material of the electrodes consists of metal oxides which may have hazardous properties for human health and the environment.

#### · **For non-emergency personnel**

Avoid breathing vapour or mist.

Ensure adequate ventilation

#### · **For emergency responders** Put on suitable personal protective equipment.

#### · **6.2 Environmental precautions:**

Do not allow to enter drainage system, ground/soil and water bodies.

Inform respective authorities in case product reaches water or sewage system.

#### · **6.3 Methods and material for containment and cleaning up:**

Collect mechanically.

Absorb liquid components with liquid-binding material.

Dispose of contaminated material as waste according to section 13.

Do not flush with water or aqueous cleansing agents

#### · **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### \* SECTION 7: Handling and storage

#### · **7.1 Precautions for safe handling**

No special precautions necessary if used correctly.

Keep away from heat and direct sunlight.

Avoid short-circuits.

Do not mix batteries of different types.

Make certain that the battery, especially the terminals, is kept dry before installing into a tool.

Do not over discharge or short-circuit battery.

When improperly using of the battery/accumulator/cell with fire or mechanical shock the housing can break and the ingredients are released.

#### · **Information about protection against explosions and fires:**

Protect from heat.

Store it away from ignition sources or open fire.

When storing batteries/cells of high capacity suitable automatic fire extinguishing systems are recommended.

When placing the product in the production line suitable fire-fighting equipment in close-up range is recommended.

#### · **Handling**

No special measures required.

Note operating instructions

Don't drop to avoid breaking.

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- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage**
    - **Requirements to be met by storerooms and containers:**  
Storage preferably cool, below 25 °C, dry and without high thermal fluctuation.
    - **Information about storage in one common storage facility:**  
Keep away from strongly acidic or alkaline materials and oxidising agents.  
Immediately remove damaged or defect batteries/cells from storage or production areas and keep in safe distance until disposal or store temporarily in an area which is separated based on fire protection technique.
    - **Further information about storage conditions:**  
Charge between 0 and 40°C.  
Do not crush, puncture, incinerate or immerse in water.  
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

## \* SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
If the product is used as intended, there is no risk to health from the release of hazardous substances.
  - **Ingredients with biological limit values:**
    - **Additional Occupational Exposure Limit Values for possible hazards during processing:**  
Can be released in case of fire:

<b>1307-96-6 cobalt oxide</b>	
WEL (Great Britain)	Long-term value: 0.1 mg/m <sup>3</sup> as Co; Carc, Sen
<b>1313-13-9 manganese dioxide</b>	
IOELV (European Union)	Long-term value: 0.2* 0.05** mg/m <sup>3</sup> as Mn; *inhalable, **respirable fraction
WEL (Great Britain)	Long-term value: 0.2* 0.05** mg/m <sup>3</sup> as Mn *inhalable fraction **respirable fraction
<b>1313-99-1 nickel monoxide</b>	
BOELV (European Union)	Long-term value: 0.01* 0.05** mg/m <sup>3</sup> as Ni; sens. derm/resp *respirable **inhalable
WEL (Great Britain)	Long-term value: 0.5 mg/m <sup>3</sup> as Ni; Sk; Carc
<b>7440-44-0 carbon</b>	
WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable
<b>7429-90-5 aluminium</b>	
WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
<b>7440-50-8 copper</b>	
WEL (Great Britain)	Short-term value: 2** mg/m <sup>3</sup> Long-term value: 0.2* 1** mg/m <sup>3</sup> *fume **dusts and mists (as Cu)

- **Additional information:** The lists that were valid during the compilation were used as basis.

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### · 8.2 Exposure controls

#### · Individual protection measures, such as personal protective equipment

##### · General protective and hygienic measures

Personal protective equipment is not required on condition that the product is used as intended.

The protective equipment mentioned below refers to the manufacture of the product or any handling of the product after materials from the inside were released.

Keep away from foodstuffs, beverages and food.

Take off all contaminated clothing immediately.

Avoid contact with the eyes and skin.

##### · Breathing equipment:

Not necessary if room is well-ventilated.

Respiratory protection required in case of formation of smoke.

Filter P3.

##### · Hand protection

Protective gloves are only required if skin contact with the battery contents is possible.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

##### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

##### · As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR

##### · Eye/face protection Normal industrial eye protection practices should be employed.

## \* SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

· **Colour:** Different according to colour

· **Odour:** odourless

· **Melting point/freezing point:** Not determined

· **Boiling point or initial boiling point and boiling range** n.a. °C

· **Flash point:** Not applicable

#### · SADT

##### · Solubility

· **Water:** Insoluble

· **Partition coefficient n-octanol/water (log value)** Not determined

##### · Density and/or relative density

· **Density** Not determined

· **Particle characteristics** See section 3.

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**· 9.2 Other information****· Appearance:****· Form:**

Lithium ion battery, filled with organic electrolyte.

**· Important information on protection of health and environment, and on safety.****· Explosive properties:**

Product is not explosive.

**· Information with regard to physical hazard classes****· Explosives**

Void

**· Flammable gases**

Void

**· Aerosols**

Void

**· Oxidising gases**

Void

**· Gases under pressure**

Void

**· Flammable liquids**

Void

**· Flammable solids**

Void

**· Self-reactive substances and mixtures**

Void

**· Pyrophoric liquids**

Void

**· Pyrophoric solids**

Void

**· Self-heating substances and mixtures**

Void

**· Substances and mixtures, which emit flammable gases in contact with water**

Void

**· Oxidising liquids**

Void

**· Oxidising solids**

Void

**· Organic peroxides**

Void

**· Corrosive to metals**

Void

**· Desensitised explosives**

Void

**SECTION 10: Stability and reactivity****· 10.1 Reactivity** No further relevant information available.**· 10.2 Chemical stability****· Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Avoid direct sunlight, heat and ignition sources.

Risk of container bursting above 50 °C.

**· 10.3 Possibility of hazardous reactions**

Electrodes and electrolyte may react with humidity and water, which may cause serious damage at the cells.

**· 10.4 Conditions to avoid**

Electrical short circuit.

All sources of ignition: heat, sparks, open flame, electrostatic discharges.

Temperatures greater than 60 °C.

Do not crush, puncture, incinerate or immerse in water.

**· 10.5 Incompatible materials:** No further relevant information available.**· 10.6 Hazardous decomposition products:**

None in case of intended use and storage in compliance with instructions.

**SECTION 11: Toxicological information****· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****· Acute toxicity** Based on available data, the classification criteria are not met.

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- **Primary irritant effect:**
  - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### 11.2 Information on other hazards

#### · Endocrine disrupting properties

None of the ingredients is listed.

## \* SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable
  - **vPvB:** Not applicable
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**  
For reasons of precaution the electrolyte contained in the battery is classified in WGK 3 according to German provisions for handling of water endangering substances (AwSV).

## \* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation**  
The waste code numbers mentioned are recommendations based on the probable use of the product.  
Contact manufacturer for recycling information.  
The return and / or recycling must be ensured in accordance with the EU regulation 2023/1542.

#### · European waste catalogue

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 06 00	batteries and accumulators
16 06 05	other batteries and accumulators
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 34	batteries and accumulators other than those mentioned in 20 01 33

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- **Uncleaned packagings:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.  
Cleaned packing materials have to be admitted to local recycling circuits.

### \* SECTION 14: Transport information

· <b>14.1 UN number or ID number</b>	
· <b>ADR/RID, IMDG, IATA</b>	UN3480
· <b>14.2 UN proper shipping name</b>	
· <b>ADR/RID</b>	3480 LITHIUM ION BATTERIES
· <b>IMDG, IATA</b>	LITHIUM ION BATTERIES
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR/RID</b>	
	
· <b>Class</b>	9 (M4) Miscellaneous dangerous substances and articles.
· <b>Label</b>	9A
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	9 Miscellaneous dangerous substances and articles.
· <b>Label</b>	9A
· <b>14.4 Packing group</b>	
· <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
· <b>Kemler Number:</b>	-
· <b>EMS Number:</b>	F-A,S-I
· <b>Stowage Category</b>	A
· <b>Stowage Code</b>	SW19 For batteries transported in accordance with SP 376 or SP 377 Category C, unless transported on a short international voyage.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable
· <b>Transport/Additional information:</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: Forbidden On cargo aircraft only: 35 kg

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<ul style="list-style-type: none"> <li>· <b>ADR/RID</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> <li>· <b>Transport category</b></li> <li>· <b>Tunnel restriction code</b></li> <li>· <b>Remarks:</b></li> </ul>	0 Code: E0 Not permitted as Excepted Quantity 2 E Special provision(s): Sondervorschriften: 188, 230, 310, 348, 376, 377, 387, 636, 677 Lithium batteries are not subject to the requirements of ADR, if they comply with the requirements of chapter 3.3 <b>special provision 188</b> . Special provision 348: Lithium batteries manufactured after 31 December 2011 and sodium ion batteries manufactured after 31 December 2025 shall be marked with the watt-hour rating on the outside case.
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> <li>· <b>Remarks:</b></li> </ul>	0 Code: E0 Not permitted as Excepted Quantity Special provision(s): 188,230,310,348,376,377,384,387
<ul style="list-style-type: none"> <li>· <b>IATA</b></li> <li>· <b>Remarks:</b></li> </ul>	Watt hour capacity of the cells: < 20 Wh Watt hour capacity of the batteries: > 100 Wh Special provision(s): A88,A99,A154,A164,A183,A201,A213,A331,A334,A802
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	UN 3480 LITHIUM ION BATTERIES

### \* SECTION 15: Regulatory information

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

##### · Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

##### · Directive 2000/53/EC on end-of life vehicles

Product(s) comply with prohibitions and restrictions of EC Directive 2000/53/EC in consideration of annex II.

##### · Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Product(s) comply with prohibitions and restrictions of EU Directive 2011/65/EU in consideration of annexes III and IV.



The product has to be labelled.

##### · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 27

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· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### \* SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

· **Reasons for alterations**

Changes in contact information.

Adaptation of product name and/or article number(s).

Reviewing the data

· **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H228 Flammable solid.

H251 Self-heating: may catch fire.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H350i May cause cancer by inhalation.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

· **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:

DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,  
phone: (+49) 511 42079 - 0, reach@dekra.com.

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· **Date of previous version:** 02.07.2021

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· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Sol. 1: Flammable solids – Category 1  
 Self-heat. 1: Self-heating substances and mixtures – Category 1  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Sens. 1: Skin sensitisation – Category 1  
 Carc. 1A: Carcinogenicity – Category 1Ai  
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· **Sources**

VdS 3103: 2019-06 "Lithium-Batterien"  
 ZVEI: Shipment of lithium-ion batteries for power tools and electric gardening equipment: Implementation of dangerous goods regulations, September 2019

· **\* Data compared to the previous version altered.**

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