

# Safety Data Sheet

according to Regulations REACH 1907/2006/EC

REF: 735513	Crimper f. 13mm Alu. Caps, electronic	Page: 1/8
Printing date: 15.04.2026	Date of issue: 15.04.2025	Version: 2.7.4.1

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

### 1.1 Product identifier

REF 735513  
 Product name Crimper f. 13mm Alu. Caps, electronic

REACH Registration number(s): see SECTION 3.1/3.2 or  
 A registration number for the substance(s) does not exist because the annual tonnage does not require registration or the substance or its use is excluded from registration.  
 1 x 1 p. Lithium ion battery 6.6 V, 8.6 Wh contained in/with equipment

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

**Relevant identified uses**  
 Product for analytical use.  
 Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0  
 The exposure scenario is integrated into sections 1-16.  
**Uses advised against**  
 not described

### 1.3 Details of the supplier of the safety data sheet

**Manufactured by:**  
 MACHEREY-NAGEL GmbH & Co. KG  
 Valencienner Str. 11, 52355 Düren, Germany  
 Phone: +49 2421 969 0  
 E-mail: sds@mn-net.com (msds@mn-net.com)

### 1.4 Emergency telephone number

Information not necessary.  
 You find our current versions of SDS in Internet: <<http://www.mn-net.com/SDS>>

## SECTION 2: Hazard identification

### 2.0 Classification of the complete product according to Regulation (EC) 1272/2008

Hazard identification	Hazard classes/categories
-----------------------	---------------------------

### 2.1 Classification of the substance or mixture according to Regulation (EC) 1272/2008

1 p. Lithium ion battery 6.6 V, 8.6 Wh contained in/with equipment  
 Do not need labelling as hazardous  
 Signal word -  
 No hazard class

List of H phrases: see section 16.2

### 2.2 Label elements according regulation (EC) 1272/2008

1 p. Lithium ion battery 6.6 V, 8.6 Wh contained in/with equipment  
 Do not need labelling as hazardous  
 Signal word: -

#### Label elements of the complete product

Signal word: -



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## 2.3 Other hazards

### Possible hazards from physicochemical properties

According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with EC regulations 1272/2008/EC, 1907/2006/EC and German Regulations for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit. An individual package has considerably less hazardous potential.

### Information pertaining to particular risks to human and possible symptoms

### Information pertaining to particular risks to the environment

PBT: not applicable

vPvB: not applicable

### Possible endocrine disrupting effects

no data available

### Other hazards

This SDS contains information on shipping and transport safety.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances or 3.2 Mixtures

#### 1 p. Lithium ion battery 6.6 V, 8.6 Wh contained in/with equipment

Substance name: *Lithium ion battery < 10 Wh*  
CAS No.: -

Substance rating: No criteria for classification or naming of chemical not required.  
Formula: Types: 5 V 2.6 Wh - 6.4 V 8.6 Wh  
Concentration: 99 - <100 %  
acc. CLP (GHS): The criteria for classification are not fulfilled.

### 3.3 Remarks

When not listed, mixtures are added with water [CAS No. 7732-18-5] to 100%.

List of H and P phrases: see section 16.2.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately.

#### 4.1.1 After SKIN Contact

no data available

#### 4.1.2 After EYE Contact

no data available

#### 4.1.3 After INHALATION of vapours

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#### 4.1.4 After ORAL Intake

no data available

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

There are no known delayed symptoms or effects for this product.

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

No additionally recommendations. ---

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### 5.1.1 Suitable extinguishing media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used. Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

#### 5.1.2 Unsuitable extinguishing media

no data available

### 5.2 Special hazards arising from the substance or mixture

None.

### 5.3 Advice for firefighters

No, for listed product. Product package burns like paper or plastic.

### 5.4 Additional information

no data available

## SECTION 6: Accidental release measures

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

### 6.2 Environmental precautions

PBT: not applicable  
vPvB: not applicable

### 6.3 Methods and material for containment and cleaning up

Clean working area with water. Flush used water into drains.

### 6.4 Reference to other sections

no data available

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

no data available

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

Safe storage is guaranteed in the original packaging from MACHEREY-NAGEL. Storage class (German chemical industry): see chapter 12.1

Storage class (VCI):

Water hazard class (DE): n/a

#### 7.2.1 Requirements for stock rooms and containers

Keep original product packages tightly closed during handling and storage.

### 7.3 Specific end use(s)

Product for analytical use.

## SECTION 8: Exposure controls /personal protection

### 8.1 Control parameters

1 p. Lithium ion battery 6.6 V, 8.6 Wh contained in/with equipment

Chemical: Lithium ion battery < 10 Wh

CAS No.: -

### 8.2 Exposure controls

Not necessary.

#### 8.2.1 Respiratory protection



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Not necessary.

**8.2.2 Skin protection / Hand protection**

Not necessary.

**8.2.3 Eye / Face Protection**

Not necessary.

**8.2.4 Skin protection**

Not necessary.

**8.2.5 Personal hygiene**

Information not necessary.

**8.2.6 Thermal hazards**

no data available

**8.3 Limitation and monitoring of environmental exposure**

Information not necessary.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**1 p. Lithium ion battery 6.6 V, 8.6 Wh contained in/with equipment**

- |  |   |
|--|---|
| a) State of aggregation:                       | solid   |
| b) Colour:                                     | colored   |
| c) Odor:                                       | odorless  |
| d) Melting point:                              | no data available   |
| e) Boiling point:                              | no data available   |
| f) Flammability:                               | Do not transport damaged batteries. Special instruction necessary |
| g) Explosive limits (lower / upper):           | no data available   |
| h) Flash point:                                | no data available   |
| i) Flashing temperature:                       | no data available   |
| j) Decomposition temperature:                  | no data available   |
| k) pH value:                                   | no data available   |
| l) Kinematic viscosity:                        | no data available   |
| m) Solubility in water:                        | no data available   |
| n) Dispersion coefficient (K <sub>o/w</sub> ): | no data available   |
| o) Vapour pressure (20°C):                     | no data available   |
| p) Specific gravity:                           | no data available   |
| q) Relative vapour density (air=1):            | no data available   |
| r) Particle size:                              | no data available   |

### 9.2 Other information

**9.2.1 Information on physical hazard classes**

no data available

**9.2.2 Other safety-related parameters**

No data is available for the other parameters for the mixtures, since no registration and no chemical safety report is required.

no data available

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

None

**10.2 Chemical stability**

no known instability.

**10.3 Possibility of hazardous reactions**

None.



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**10.4 Conditions to avoid**

Not known.

**10.5 Incompatible materials**

Not known.

**10.6 Hazardous decomposition products**

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

## SECTION 11: Toxicological information

**11.1 Information on the hazard classes according regulation (EC) 1272/2008**

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

**1 p. Lithium ion battery 6.6 V, 8.6 Wh contained in/with equipment**

Chemical: *Lithium ion battery < 10 Wh* CAS No.: -

**11.2 Other hazards**

**Possible endocrine disrupting effects**  
no data available

**Other information**  
no additional data available

## SECTION 12: Ecological information

**12.1 Toxicity**

Following information is valid for pure substances.

**1 p. Lithium ion battery 6.6 V, 8.6 Wh contained in/with equipment**

Substance name: *Lithium ion battery < 10 Wh* CAS-Nr.: -  
Water hazard class (DE): n/a

**12.2 Persistence and degradability**

**12.3 Bioaccumulative potential**

**12.4 Mobility in soil**

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Endocrine disrupting properties**

no data available

**12.7 Other adverse effects**

no additional data available

## SECTION 13: Disposal considerations

Batteries must be collected separately and disposed acc. law regulations (electronic waste, WEEE). Further: Not necessary.

**13.1 Waste treatment methods**

GENERAL: Empty solids into municipal waste, empty liquids diluted into drains.



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## SECTION 14: Transport information

IATA: A shipper's declaration is not necessary, but the entry in the air waybill (AWB) under Nature and Quantity of Goods: „Lithium ion batteries in compliance with Section II of PI 967“.

- 14.1 UN number: **3481**
- 14.2 UN proper shipping name: **Lithium-ion batteries in equipment**
- 14.3 Class: **9**
- 14.4 Packing group: **-**

<i>Road transport ADR</i>			
Classification code:	M4	Tunnel restriction code:	E
Limited Quantity:	0		
Excepted Quantity:	E0		
Special instructions:	188		
 <i>Air transport IATA DGR</i>			
Limited Quantity:	PAX: 967 Sect. II	max. quantity PAX:	5 Kg
	CAO: 967 Sect. II	max. quantity CAO:	5 Kg
Excepted Quantity:	E0		
 <i>Maritime transport IMDG</i>			
EmS:	F-A, S-I	Staukategorie:	A, SW19
Special instructions:	188		

- 14.5 **Environmental hazards**  
none
- 14.6 **Special precautions for user**  
not necessary
- 14.7 **Carriage in bulk by sea in accordance with IMO instruments**  
Not applicable.

## SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Dangerous Substances Protection Act (DE: Chemikaliengesetz - ChemG), Aug 2013, Stand: Okt 2020  
Ordinance on protection against dangerous substances (E: Gefahrstoffverordnung - GefStoffV), Nov 2010, Stand: Mrz 2017  
If necessary, observe other country-specific regulations.
- 15.2 **Chemical safety assessment**  
no data available

## SECTION 16: Other information

- 16.1 **Changes compared to the last version**  
Between versions 2.7.4.1 and 2.2.2.2 following changes were applied: - 5 product component data corrected - 2 composition data corrected
- 16.2 **List of H and P phrases**
  - 16.2.1 **List of relevant H phrases**  
H Between versions 2.7.4.1 and 2.2.2.2 following changes were applied: - 5 product component data corrected - 2 composition data corrected
  - 16.2.2 **List of relevant P phrases**
- 16.3 **Recommended restriction on use**  
None
- 16.4 **Sources of key data**  
KÜHN, BIRETT, Leaflets on hazardous materials, 2021  
Directive 1999/92/EG Minimum requirements to improve the safety and health protection of workers at risk from potentially explosive atmospheres  
SUVA .CH, limit values in the air at work 2009, revised on 01/2009  
Regulation 790/2009/EU, adaptation of Regulation 1272/2008/EU to technical and scientific progress (1st ATP)  
Regulation 453/2010/EU, adaptation of the REACH regulation 1907/2006/EG  
Regulation 487/2013/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (4th ATP)  
Regulation 1221/2015/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (7th ATP)  
Regulation 776/2017/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (10th ATP)



MACHEREY-NAGEL GmbH & Co. KG  
Valencienner Str. 11  
52355 Düren · Germany  
[www.mn-net.com](http://www.mn-net.com)

DE Tel.: +49 24 21 969-0 [info@mn-net.com](mailto:info@mn-net.com)  
 CH Tel.: +41 62 388 55 00 [sales-ch@mn-net.com](mailto:sales-ch@mn-net.com)  
 FR Tel.: +33 388 68 22 68 [sales-fr@mn-net.com](mailto:sales-fr@mn-net.com)  
 US Tel.: +1 888 321 62 24 [sales-us@mn-net.com](mailto:sales-us@mn-net.com)

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Regulation 669/2018/EU, adaptation of Regulation 1272/2008/EC to technical and scientific progress (11th ATP)  
 Regulation 1480/2018/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (13th ATP)  
 Regulation 521/2019/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (12th ATP)  
 TRGS 900, German rules of technology on limit values in the air at work, as of 03/2019  
 Regulation 217/2020/EU, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (14th ATP)  
 Regulation 878/2020/EU, adaptation of Annex II of the REACH regulation 1907/2006/EG  
 Regulation 1182/2020/EU, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (15th ATP)  
 Regulation 643/2021/EU, adaptation of Annex VI, Part 1, of Regulation 1272/2008/EC to technical and scientific progress (16th ATP)  
 Regulation 849/2021/EU, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (17th ATP)  
 Regulation 692/2022/EU, adaptation of Annex VI, Part 1, of Regulation 1272/2008/EC to technical and scientific progress (18th ATP)

### revisions/updates

*Reason for revision:* 2014-02 Corrected structure of the sections according to Regulation 453/2010/EU, if necessary  
 2014-04 adjustment according Regulation 487/2013/EU  
 2016-03 adjustment according Regulation 1221/2015/EU  
  
 2017-11 adjustment according the ECHA registration dossier  
 2022-11 adjustment according Regulation 878/2020/EU

### 16.5 Further information

MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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### 16.6 Legend / Abbreviations

acc: according  
 ADR: Convention concerning the International Carriage of Dangerous Goods by Road  
 Act: acute  
 BAT: biological workplace tolerance value  
 CAO: Cargo Aircraft Only  
 Carc: carcinogen  
 CAS: Chemical Abstracts Service  
 CLP: Classification, Labelling and Packaging regulation  
 CMR: carcinogen, mutagen, reproduction toxic  
 Corr: corrosive  
 COD: chemical oxygen demand  
 CSCL: Chemical Substance Control Law (Jp)  
 Dam: damage  
 DNEL: Derived No-Effect Level (for workers)  
 derm: dermal  
 dog: dog  
 EC10: Concentration causing a toxic effect in 10% of the test organisms  
 EC: European Community  
 EC-Nr: Substance number of the EC substance inventory  
 EmS: Guide to accident management measures on ships  
 EU: European Union  
 fish: fish (not specified)  
 GHS: Global Harmonized System of Classification and Labeling of Chemicals  
 gpg: guinea pig  
 ICAO: International Civil Aviation Organization  
 ihl: inhaled  
 IMDG: International Maritime Dangerous Goods Code  
 intrav: intravenous  
 ipt: intraperitoneal  
 ISHL: Industrial Safety and Health Law (Jp)  
 LC50: letale concentration 50%  
 LD50: letale dosis 50%  
 leuciscus idus: fisch, ide, orfe  
 MAK: maximum workplace concentration  
 Met: Metall  
 mus: mouse  
 Muta: mutagen



MACHEREY-NAGEL GmbH & Co. KG  
 Valenciener Str. 11  
 52355 Düren · Germany  
[www.mn-net.com](http://www.mn-net.com)

DE Tel.: +49 24 21 969-0 info@mn-net.com  
 CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com  
 FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com  
 US Tel.: +1 888 321 62 24 sales-us@mn-net.com

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NIOSH: National Institute for Occupational Safety and Health (US)  
 NRD: Non-rapidly degradable  
 onchorhynchus mykiss: fish, rainbow trout  
 orl: oral  
 OSHA: Occupational Safety and Health Administration  
 PAX: transport on passenger planes allowed  
 PBT: persistent, bioaccumulating, toxic substance  
 pH: pH value  
 pimephales promelas: fish, fathead minnow  
 PNEC: Predicted No Effect Concentration  
 PROC 15: Process category 'for laboratory use'  
 PRTR: Law for PRTR and Promotion of Chemical Management (Jp)  
 PVC: polyvinyl chloride  
 quail: bird, quail  
 rat: rat  
 rbt: rabbit  
 RD: rapidly degradable  
 RE: repeated  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
 REF: item number, reference number  
 Reg.No.: rRegistration number  
 Repr: harmful to reproduction  
 Resp: respiratory  
 RIP: REACH Implementations Projects  
 scu: sub cutan  
 SDS: safety data sheet  
 Sens: sensitisation  
 STEL: short term exposure limit  
 STOT: Specific Target Organ Toxicity  
 SVHC: Substance of Very High Concern  
 t/a: tons per year  
 TCCA: Toxic Chemicals Control Act (S. Korea)  
 Tox: toxic  
 TSCA: The Toxic Substances Control Act (US)  
 TWA: time weighted average  
 TRGS: technical regulations (DE)  
 vPvB: very persistent, very bioaccumulating substance

## 16.7 Training advice

Regular safety training. Multiple safety training of staffs about danger and protection by using hazards in working area. Additionally training and introduction of staffs for using these products.

