

材料安全数据表

Material Safety Data Sheet

报告编号 Report No.: S03A24111065M00901

样品名称: 锂离子电芯
Sample Name: Li-ion Cell

样品型号: CH 16300 600mAh
Sample Model:

委托单位: 深圳市晨晖新能源科技有限公司
Applicant: Shenzhen Chenhui New Energy Technology Co., Ltd

签发日期: 2024-12-09
Issue Date:

广东储能检测技术有限公司

Guangdong ESTL Technology Co., Ltd.



| 第一部分 产品和厂商信息 Section 1 Identification of the product and supplier | |
|--|--|
| 样品名称 Sample Name | 锂离子电芯 Li-ion Cell |
| 样品型号 Sample Model | CH 16300 600mAh |
| 规格 Rating | 3.7V 600mAh 2.22Wh |
| 测试实验室 Testing laboratory | 广东储能检测技术有限公司 Guangdong ESTL Technology Co., Ltd. |
| 测试地址 Testing Address | 广东省东莞市松山湖园区总部二路9号1栋1单元101、201-208 室、4单元201室和11号1栋2单元101室。 Room 101, 201-208, Unit 1, & Room 201, Unit 4, Building 1, No.9/Room 101, Unit 2, Building 1, No.11, Zongbu 2nd Road, Songshanhu Park, Dongguan, Guangdong, China |
| 委托单位 Applicant | 深圳市晨晖新能源科技有限公司 Shenzhen Chenhui New Energy Technology Co., Ltd |
| 委托单位地址 Applicant Address | 深圳市龙岗区坪地街道坪西社区高桥第一工业区12号350 350, No. 12 Gaoqiao First Industrial Zone, Pingxi Community, Pingdi Street, Longgang District, Shenzhen |
| 生产单位 Manufacturer | 深圳市晨晖新能源科技有限公司 Shenzhen Chenhui New Energy Technology Co., Ltd |
| 生产单位地址 Manufacturer Address | 深圳市龙岗区坪地街道坪西社区高桥第一工业区12号350 350, No. 12 Gaoqiao First Industrial Zone, Pingxi Community, Pingdi Street, Longgang District, Shenzhen |
| 鉴定依据 Inspection according to | 依据GB/T16483-2008&ISO11014:2009编制 According to GB/T16483-2008&ISO11014:2009 |
| 紧急联系电话 Emergency telephone call | 0755-28998065 |
| 测试日期 Tested date | 2024-12-01 to 2024-12-09 |
| 生效时间 Effective Date | 2025-01-01 |

检测 Tested by

高济斌

审核 Reviewed by

胡丽珍

批准 Approved by

[Signature]



第二部分 主要危险性鉴定

Section 2 Hazards Identification

| | |
|---------------------------|--|
| 爆炸危险性 Explosive risk | 该物品不属于爆炸危险品 This article does not belong to the explosion dangerous goods |
| 易燃危险性 Flammable risk | 该物品不属于易燃危险品 This article does not belong to the flammable material |
| 氧化危险性 Oxidation risk | 该物品不属于氧化危险品 This article does not belong to the oxidation of dangerous goods |
| 毒害危险性 Toxic risk | 该物品不属于毒害危险品 This article does not belong to the toxic dangerous goods |
| 放射危险性 Radioactive risk | 该物品不属于放射危险品 This article does not belong to the radiation of dangerous goods |
| 腐蚀危险性 Mordant risk | 该物品不属于腐蚀危险品 This article does not belong to the corrosion of dangerous goods |
| 其他危险性 other risk | 该物品为锂离子电芯, 瓦时率为 2.22Wh。 This article is the Li-ion Cell, Watt hour rate 2.22Wh. |

第三部分 成分/组成信息

Section 3 Composition/Information on Ingredient

| 危险成分 (化学名称) Hazardous Ingredients (Chemical Name) | 含量及含量百分比(%) Concentration or concentration ranges (%) | CAS编号 CAS Number |
|---|---|---------------------|
| 钴酸锂 Lithium Cobalt Oxide | 49.5 | 12190-79-3 |
| 聚偏氟乙烯 PVDF | 0.33 | 24937-79-9 |
| 铝 Aluminium | 7.6 | 7429-90-5 |
| 石墨 Graphite | 16.3 | 7782-42-5 |
| 丁苯橡胶 SBR | 0.05 | 9003-55-8 |
| 羧甲基纤维素 Carboxymethylcellulose | 0.28 | 9000-11-7 |
| 铜 Copper | 6.96 | 7440-50-8 |
| 镍 Nickel | 0.06 | 7440-02-0 |
| 六氟磷酸锂 Lithium Hexafluorophosphate | 10.96 | 21324-40-3 |
| 聚乙烯 Polyethylene | 4.03 | 9002-88-4 |
| 尼龙 Nylon | 3.93 | 24937-16-4 |

第四部分 急救措施

Section 4 First aid measures

眼睛接触: 提起眼皮用大量水冲洗眼睛至少15分钟, 立即就医。

After Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

皮肤接触: 脱掉被污染的衣服, 并用大量水或淋浴冲洗皮肤15分钟, 立即就医。

After Skin Contact: Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.

吸入: 如有吸入, 迅速脱离现场至新鲜空气处, 如果停止呼吸, 进行人工呼吸。如果呼吸困难, 供给氧气。

After Inhalation: If inhaled, quickly leave the site to fresh air. If you stop breathing, perform artificial respiration. If breathing is difficult, supply oxygen.

食入: 如有知觉, 请用水冲洗口腔, 就医。

After Ingestion: If swallowed, wash out mouth with water provided person is conscious Call a physician.

第五部分 消防措施

Section 5 Fire-fighting measures

危险特性: 在火灾时可释放有害浓烟、气体或者蒸汽。

Characteristics of Hazard: Toxic fumes; gases or vapors may evolve on burning.

有害燃烧产物: 一氧化碳和二氧化碳、HF、氟磷化物。

Hazardous Combustion Products: CO, CO₂, HF, phosphorus fluoride.

灭火方法及灭火剂: 对锂电池, 大量冷水是一个有效的灭火剂。不要使用温或热水。不要使用哈龙类灭火材料。可使用干粉、沙、土。

Fire-extinguishing Methods and Extinguishing Media: Copious amounts of cold water are an effective extinguishing medium for lithium batteries. Don't use warm or hot water. Don't use Halon type extinguishing material.

May use dry powder, sand, earth.

灭火注意事项: 消防人员须佩戴防毒面具、穿全身消防服。

Attention in Fire-extinguishing: The Firemen should put on antigas masks and full fire-fighting suits.

第六部分 泄漏应急处理

Section 6 Accidental release measures

当电池发生泄漏, 液体可以用砂, 土, 或其他惰性物质吸收, 受污染的区域应同时通风。

When leakage of batteries happens, liquid could be absorbed with sands, earth, or other inert substance, and the contaminated area should be ventilated meantime.

未放热或燃烧的破损电池, 应装入密封的塑料袋或容器。

Damaged batteries that are not hot or burning should be placed in a sealed plastic bag or container.

第七部分 操作处置和储存

Section 7 Handling and storage

操作注意事项: 储存时远离食物和水源。吃饭喝水前彻底清洗双手。储有化学物的容器搬用时需防止静电的产生和积聚。

Precautions for safe handling: Consumption of food and beverage should be avoided in work areas. Wash hands with soap and water before eating, drinking. Ground containers when transferring liquid to prevent static accumulation and discharge.

有关火灾及防止爆炸的资料: 电池在拆开、挤压、遇火或高温情况下, 会引起起火或爆炸, 严禁短路或非正确操作。

Information about fire and explosion protection: Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

储存注意事项: 储存在一个低温, 干燥, 通风良好的环境。远离热源, 避免长时间阳光照射。未使用时密封容器。

Conditions for safe storage, including any incompatibilities: Requirements to be met by storerooms and receptacles. Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight.

第八部分 接触控制 / 个人防护

Section 8 Exposure controls/personal protection

最高容许浓度: 没有适用标准

Maximum Allowable Concentration: No Standard available

工程控制: 操作未破损的电池, 没有工程控制要求。对于破损的电池, 个人防护用品应包括 化学品防护手套和安全眼镜。

Engineering Controls: no engineering controls are required for handling batteries that have not been damaged. Personal protective equipment for damaged batteries should include chemical resistant gloves and safety glasses.

第九部分 理化特性

Section 9 Physical and Chemical Properties

| 有关基本物理及化学特性的信息 Information on basic physical and chemical properties | |
|---|-----------------|
| 外观Appearance | 蓝色 Blue |
| 形状Form | 圆柱形 Cylindrical |
| 气味Odour | 无味 Odorless |

第十部分 稳定性和反应活性

Section 10 Stability and reactivity

稳定性: 常温常压稳定。

Stability: Stable under normal temperatures and pressures.

禁配物: 氧化剂。

Incompatibility: Oxidizing agents.

避免接触的条件: 热和明火、短路和水。

Conditions to Avoid: Heat and open flame, short circuit, and water.

聚合危害: 不会发生。

Hazardous polymerization: Will not occur.

分解产物: 一氧化碳、二氧化碳、HF、氟磷化物。

Decomposition Products: CO, CO₂, HF, Phosphorus fluoride.

第十一部分 毒理性资料

Section 11 Toxicological information

标志及症状: 无, 除非电池破裂。

Signs & symptoms: None, unless battery ruptures.

内部物质暴露的情况下, 蒸汽烟雾可能对眼睛和皮肤的刺激性。

In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.

吸入: 对肺有刺激性。

Inhalation: Lung irritant.

皮肤接触: 对皮肤刺激性。

Skin contact: Skin irritant.

眼睛接触: 对眼睛有刺激性。

Eye contact: Eye irritant.

食入: 吞下中毒。

Ingestion: Poisoning if swallowed.

下列情况下会危险人员身体健康: 如果与电池内部材料直接接触, 皮肤可能会出现干燥、灼烧等 轻微或严重的刺激, 并且损坏靶器官的神经, 肝脏和肾脏。

Medical conditions generally aggravated by exposure: In the event of exposure to internal contents, moderate to server irritation, burning and dryness of the skin may occur, Target organs nerves, liver and kidneys.

第十二部分 生态学资料

Section 12 Ecological information

生态毒性: 无

Ecological Toxicity: N/A

生物降解性: 无

Biodegradability: N/A

非生物降解性: 无

Non-biodegradability: N/A

其它有害作用: 该物质对环境有无明显危害。

Other Hazardous: Will not effect environmental evidently.

第十三部分 废弃处置

Section 13 Disposal consideration

废弃处置方法: 建议遵照国家和地方法规处置或再利用。

Waste Treatment: Recycle or dispose of in accordance with government, state & local regulations.

废弃注意事项: 废电池不能被当作普通垃圾。不能扔进火中或置于高温下。不能解体, 刺穿, 破碎或类似的处理。最好的办法是回收利用。

Attention for Waste Treatment: Deserted batteries couldn't be treated as ordinary trash.

Couldn't be thrown into fire or placed in high temperature. Couldn't be dissected, pierced, crushed or treated similarly. Best way is recycling.

第十四部分 运输信息

Section 14 Transport information

| | |
|--------------------------------|---|
| UN 编号 UN NO. | UN3480 UN3481 |
| 运输专有名称 Proper Shipping Name | UN3480 锂离子电池 UN3480 Lithium Ion Batteries UN3481 锂离子电池与设备打包 UN3481 Lithium Ion Batteries Packed With Equipment UN3481 锂离子电池装在设备中 UN3481 Lithium Ion Batteries Contained In Equipment |
| 运输标签 Label for conveyance | 电池操作标签 Battery Label 9类危险品标签 Class 9 Hazard Label 仅限货机标签 Cargo aircraft Only Label |

危险品规例规定, 运输前, 每一个电池设计通过联合国《试验和标准手册》第八版修订版第38.3节测试。

报告编号: 1124040057。

The dangerous goods regulations require that each battery design be subject to tests contained in UNITED NATIONS the "Manual of Test and Criteria" (ST/SG/AC.10/11/Rev.8) Section 38.3.

Report No.: 1124040057.

危险性分类:

该电池包装应遵守IATA DGR 66版包装说明965 Section IB / 966 Section II / 967 Section II的运输要求。

The package of battery should be complied with the requirements of Packing Instruction 965 Section IB / 966 Section II / 967 Section II of IATA DGR 66th Edition for transportation.

该电池包装应遵守IMDG-CODE (42-24) 特殊规定SP188。

The package of battery should be complied with the requirements Special Provisions 188 of IMDG-CODE (42-24).

第十五部分 法规信息

Section 15 Regulation information

法规信息:

联合国《关于危险货物运输的建议书 规章范本》(23版)、国际航空运输协会《危险品规则》(66版)、《国际海运危险货物规则》(IMDG-CODE)(42-24版)、《国际危险货物道路运输欧洲协定》(ADR)(2025版)、《国际危险货物铁路运输欧洲协定》(RID)(2025版)

Regulatory information:

Recommendations on the transport of dangerous goods-model Regulations 23rd, IATA dangerous goods regulations 66th, International Maritime Dangerous Goods Code (42-24), European Agreement concerning the International Carriage of Dangerous Goods by Road (2025), Regulations concerning the International Carriage of Dangerous Goods by Rail (2025)

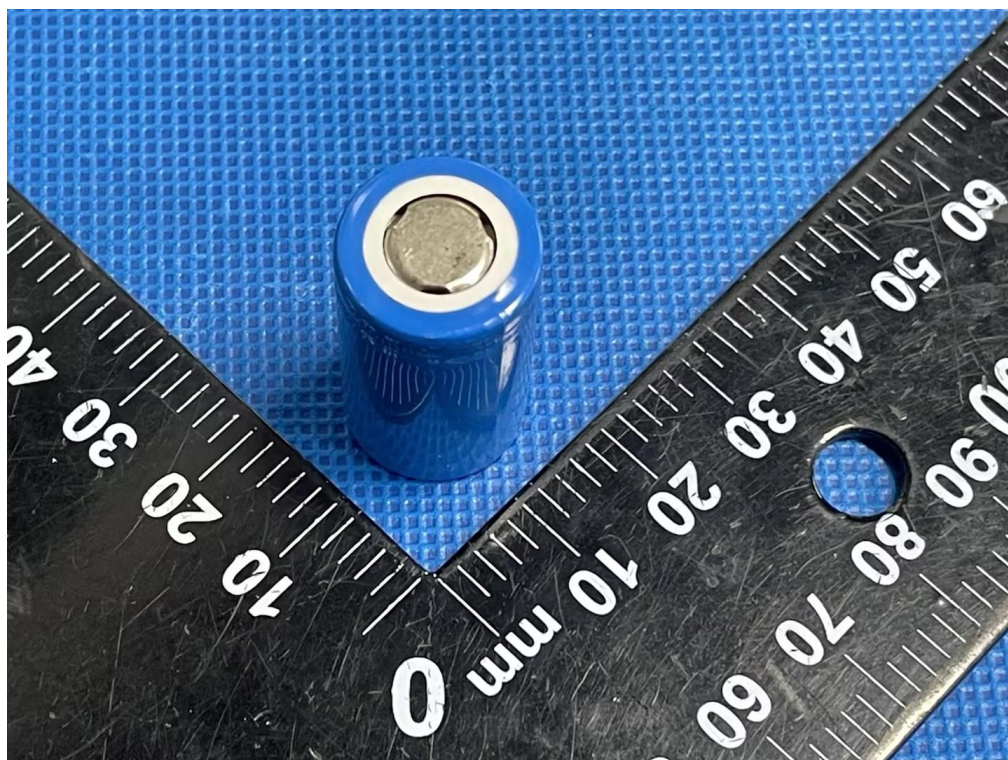
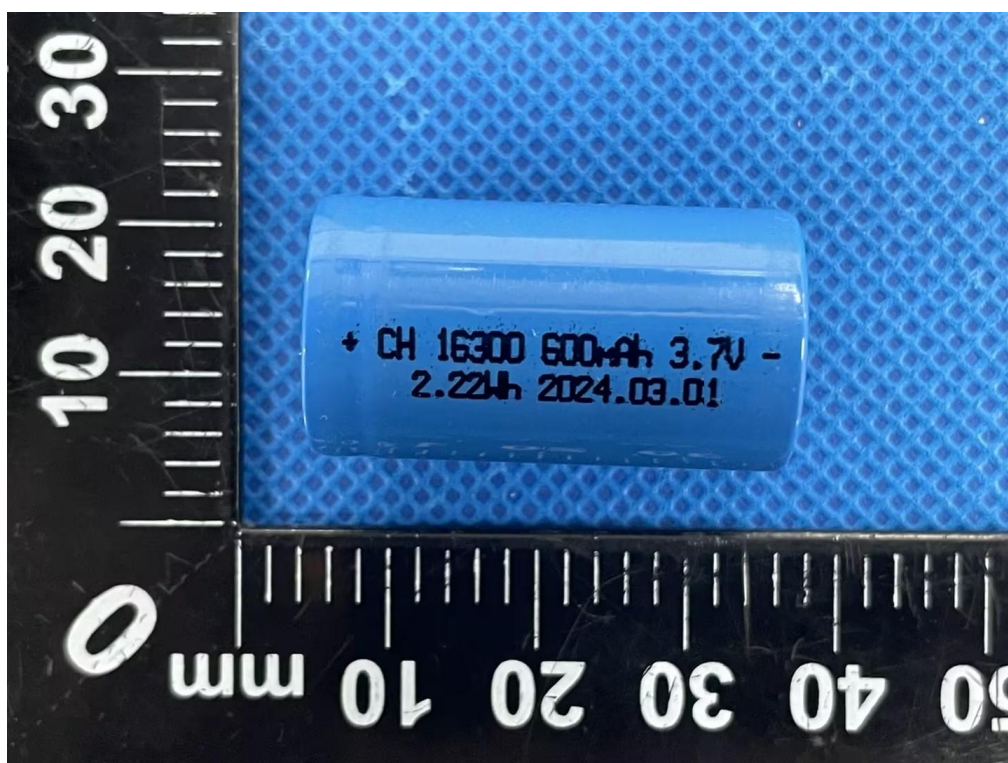
第十六部分 其他信息

Section 16 Other information

此信息并非对所有由深圳市晨晖新能源科技有限公司生产的电池均有效。此信息来自可靠来源,但不对其所包含信息的完整性和准确性做任何保证。广东储能检测技术有限公司对因电池使用不当造成的任何损坏或损失不承担任何责任,用户应掌握正确的使用方法并对电池的使用负责。

This information is not effective to all the batteries manufactured by Shenzhen Chenhui New Energy Technology Co., Ltd. This information comes from reliable sources, but no warranty is made to the completeness and accuracy of information contained. Guangdong ESTL Technology Co., Ltd. doesn't assume responsibility for any damage or loss because of misuse of batteries. User's should grasp the correct use method and be responsible for the use of batteries.

Photos of Samples and Labels/样品照片及标识



--- 报告结束 ---

--- End of Report ---

声明 Declaration

1. 本报告无批准人、审核人及检测人签名无效。

The test report is invalid without the signatures of Ratifier, Reviewer and Testing engineer.

2. 对检验报告若有异议，应于收到报告之日起十五天内向检验单位提出。

Objections to the test report must be submitted to ESTL within 15 days.

3. 未经本试验室书面同意，不得部分地复制本报告。

Nobody is allowed to photocopy or partly photocopy this test report without written permission of ESTL.

4. 本报告仅对送检样品负责。

The test report is valid for the tested samples only.

5. 本报告涂改无效。

The test report is invalid if altered.

SDS Service Summary

No.: SHAEC25000014701

Date: 08 Jan 2025

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| | | |
|---|---|---|
| SGS Job No. | : | SHP24-042660 |
| Applicant | : | Yuyao Weili Spring Co.,Ltd |
| Product Name | : | Hair Clipper Lubricant Bottle |
| Composition/Ingredient of product (as per applicant submission) | : | See <i>section 3 Composition/information on ingredients</i> on the SDS |
| Job Receiving Date | : | 02 Jan 2025 |
| Last Information Date | : | 03 Jan 2025 |
| SDS Preparation Period | : | 02 Jan 2025-06 Jan 2025 |
| Service Requested | : | Preparation of Safety Data Sheet (SDS) for the product with submitted information, with calculation of the classification and labeling requirement according to the submitted composition and European Commission Regulation (EC) No 1272/2008. |
| Summary | : | As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2020/878, and is provided per attached. |

Disclaimer

This Safety Data Sheet (SDS) is provided to applicant to fulfill European Commission Regulation (EC) No 1907/2006 and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product.

SGS has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc) without independent verification from SGS. The information is provided without any warranty, express or implied, regarding its correctness.



Cathy Cai
Project Engineer

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 06.01.2025

Version number 1

Revision: 06.01.2025

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

- **1.1 Product identifier**
- **Trade name:** Hair Clipper Lubricant Bottle
- **CAS Number:**
8020-83-5
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Lubrication, suitable for plastic and hardware materials
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
Yuyao Weili Spring Co., Ltd
No.42 Sixty Mutou New Village, Hudi Village, Linshan Town, Yuyao City, Zhejiang Province
Tel: 0574-62067097
E-mail: 469689178@qq.com
- **Only Representative / other EU contact point:** Not available
- **1.4 Emergency telephone number:**
IRELAND
National Poisons Information Centre
Tel: +353 (01) 809 2566 (For healthcare professionals)
+353 (01) 809 2166 (For public; 8am - 10pm)
- **1.5 Reference Number:** SHP24-042660; SHAEC25000014701

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
 - **Classification system:**
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Hydrocarbon oils
- **Hazard statements**
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 06.01.2025

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Trade name: Hair Clipper Lubricant Bottle

(Contd. of page 1)

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **Determination of endocrine-disrupting properties** Not applicable

SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**
8020-83-5 Hydrocarbon oils
- **Remark:** This product contains substance Hydrocarbon oils (CAS No.8020-83-5) 100% by weight.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Never give anything by mouth to an unconscious person.
Do not induce vomiting; call for medical help immediately.
- **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**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

(Contd. on page 3)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 06.01.2025

Version number 1

Revision: 06.01.2025

Trade name: Hair Clipper Lubricant Bottle

(Contd. of page 2)

- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
- **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 disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with skin and eyes.
For the general occupational hygienic measures refer to section 8.
- **Information about fire - and explosion protection:** Normal measures for preventive fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs:** Data not available
- **PNECs:** Data not available
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Appropriate engineering controls:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
See Section 7 for information about design of technical facilities.
- **Individual protection measures, such as personal protective equipment**
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Hand protection**



Protective gloves

(Contd. on page 4)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

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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.

· **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.

· **Eyeface protection**



Tightly sealed goggles

· **Body protection:** Protective work clothing

· **Thermal hazards:** Not required for normal conditions of use.

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

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

| | |
|---|--------------------------|
| · Physical state | Liquid |
| · Colour: | Transparent |
| · Odour: | Weak odor |
| · Odour threshold: | Data not available |
| · Melting point/freezing point: | Data not available |
| · Boiling point or initial boiling point and boiling range | 120-185 °C |
| · Flammability | Burn with an open flame. |
| · Lower and upper explosion limit | |
| · Lower: | Data not available |
| · Upper: | Data not available |
| · Flash point: | 185 °C |
| · Auto-Ignition temperature: | Data not available |
| · Decomposition temperature: | Data not available |
| · pH | Data not available |
| · Viscosity: | |
| · Kinematic viscosity | Data not available |
| · Dynamic viscosity | Data not available |
| · Solubility | |
| · water: | Insoluble |
| · Partition coefficient n-octanol/water (log value) | Data not available |
| · Vapour pressure: | Data not available |
| · Density and/or relative density | |
| · Density: | Data not available |
| · Relative density | Data not available |
| · Relative vapour density: | Data not available |
| · Particle characteristics | Not applicable |

· **9.2 Other information**

| | |
|----------------------|--------|
| · Appearance: | |
| · Form: | Liquid |

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| | |
|--|--------------------|
| · Information with regard to physical hazard classes | |
| · Explosives | Not applicable |
| · Flammable gases | Not applicable |
| · Aerosols | Not applicable |
| · Oxidising gases | Not applicable |
| · Gases under pressure | Not applicable |
| · Flammable liquids | Not applicable |
| · Flammable solids | Not applicable |
| · Self-reactive substances and mixtures | Not applicable |
| · Pyrophoric liquids | Not applicable |
| · Pyrophoric solids | Not applicable |
| · Self-heating substances and mixtures | Not applicable |
| · Substances and mixtures, which emit flammable gases in contact with water | Not applicable |
| · Oxidising liquids | Not applicable |
| · Oxidising solids | Not applicable |
| · Organic peroxides | Not applicable |
| · Corrosive to metals | Not applicable |
| · Desensitised explosives | Not applicable |
| · Other safety characteristics | Data not available |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specification.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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.
- **LD/LC50 values relevant for classification:** Data not available
- **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:** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

Substance is not listed.

- **Other information** No further relevant information available.

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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.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|---|
| · 14.1 UN number or ID number | Not applicable |
| · ADR/RID/ADN, IMDG, IATA | |
| · 14.2 UN proper shipping name | Not applicable |
| · ADR/RID/ADN, IMDG, IATA | |
| · 14.3 Transport hazard class(es) | Not applicable |
| · ADR/RID/ADN, IMDG, IATA | |
| · Class | |
| · Label | |
| · 14.4 Packing group | Not applicable |
| · ADR/RID/ADN, IMDG, IATA | |
| · 14.5 Environmental hazards: | No |
| · Marine pollutant: | |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · 14.8 Transport/Additional information: | Not dangerous according to the above specifications |
| · UN "Model Regulation": | Not applicable |

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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** Substance is not listed.

· **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

Substance is not listed.

· **Regulation (EU) No 649/2012**

Substance is not listed.

· **REGULATION (EU) 2019/1148**

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

Substance is not listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

Substance is not listed.

· **Regulation (EC) No 273/2004 on drug precursors**

Substance is not listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

· **REGULATION (EU) 2024/590 on substances that deplete the ozone layer**

Substance is not listed.

· Other regulations, limitations and prohibitive regulations

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (7/11/2024)**

Substance is not listed.

· **REACH Regulation Annex XVII Restriction (19/9/2024)**

See Section 16 for information about restriction of use.

Substance is not listed.

· **REACH Regulation Annex XIV Authorization List (13/11/2023)**

Substance is not listed.

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

SECTION 16: Other information

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

DISCLAIMER OF LIABILITY

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· Abbreviations and acronyms:

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

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IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard – Category 1

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