Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

Date last verification : 2021-03-08 **Version :** 5.0
Revision date : 2020-08-20
Issue date : 2009-01-28

Indication of changes : §**2.1** - §**2.2** - §**4.1** - §**4.2** - §**5.3** - §**6.1** - §**6.2** - §**6.3** - §**7.1** - §**7.2** - §**8.2** - §**9.1** - §**10.4** - §**10.6** - §**11.1** - §**12.2** - §**12.3** - §**13.1**

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

1.1. Product identifier

Safety Data Sheet : 25271
Product code : 8803 242 90541
Product name: : S3242/90 US (BATAM) : CONTAINING RECHARGEABLE LI-ION BATTERY CELL L1450-0.75 [2.7 WATT-HOUR, NET WEIGHT 20 GRAM]

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

Relevant identified uses : No information available.
Uses advised against : No information available.

1.3. Details of the supplier of the safety data sheet

Supplier : PHILIPS CONSUMER LIFESTYLE, DRACHTEN

Oliemolenstraat 5 9203 ZN Drachten The Netherlands	Tussendiepen 4 9206 AD Drachten The Netherlands
Telephone : n.a.	n.a.
Responsible for the compilation of the SDS on behalf of the supplier/ manufacturer : hazcom@philips.com	

1.4. Emergency telephone number

Emergency telephone number (regarding transport of DG) : +31 (0)497-598315

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

2.2. Label elements

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

none

Remarks on labelling As an article, this product presents negligible health and physical hazards under reasonably anticipated conditions of use. Accordingly, a Safety Data Sheet (SDS) is not required for this product under the standards cited above. This document is prepared as a courtesy to provide persons using this product with additional safety and regulatory information.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition / information on ingredients

3.2. Mixture

CAS No.	EC No.	REACH No.	Concentration (%)	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL / M-factor / ATE
LITHIUM ION BATTERY					

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information : When in doubt or if symptoms are observed, get medical advice.

Following inhalation : No special measures are necessary.
Following skin contact : No special measures are necessary.
After eye contact : No special measures are necessary.
Following ingestion : No special measures are necessary.

Self-protection of the first aider : No special measures are necessary.

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

Adverse human health effects and symptoms / Organs affected:

not applicable

Following inhalation : not applicable

Following skin contact : not applicable

After eye contact : not applicable

Following ingestion : not applicable

Further information: SECTION 11: Toxicological information

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

Notes for the doctor : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Fire class B: - Dry extinguishing powder. - Foam. - Carbon dioxide (CO2). - Water mist.

Unsuitable extinguishing media : Wet chemical. - Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated : lithium oxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Flame-retardant protective clothing. Protective clothing. (EN 469)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protection equipment. Lithium batteries are highly flammable. Caution! Increased risk of explosion and fire. In case of fire: Evacuate area.

6.1.1. For non-emergency personnel

Protective equipment : Personal protection equipment: see section 8.

Emergency procedures : In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

6.1.2. For emergency responders

Personal protection equipment : Personal protection equipment: see section 8.

6.2. Environmental precautions

Collect spillage. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not allow to enter into soil/subsoil. Ensure waste is collected and contained.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

Damaged batteries must not be placed in collection containers. Ideally, intermediate storage should take place in a sealed container, with the damaged battery or power pack best covered with sand or another non-combustible binding agent.

6.3.2. For cleaning up

Damaged batteries must not be placed in collection containers. Ideally, intermediate storage should take place in a sealed container, with the damaged battery or power pack best covered with sand or another non-combustible binding agent.

6.3.3. Other information

Inform the relevant authorities if the product has entered sewers, waterways, soil or air and might have caused environmental pollution.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling	: No special handling advices are necessary.High-energy batteries must be packed and secured in the transport container in such a way that the individual batteries do not slip inside the container.Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Measures to prevent fire	: Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.See SECTION 5: Firefighting measures and SECTION 10: Stability and reactivity.
Measures to prevent aerosol and dust generation	: Not dust explosive.
Environmental precautions	: Avoid release to the environment.
Advices on general occupational hygiene	: When using do not eat, drink, smoke, sniff.Take off contaminated clothing.Wash hands before breaks and after work.
Further information	: No information available.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	: Keep container dry. - Keep away from: ignition sources or heat sources. - Keep away from: Acids. - Keep away from: Alkalis. - Keep away from: Water.
storage temperature	: No information available.
Requirements for storage rooms and vessels	: No information available.
Storage class	: M4
Materials to avoid	: No information available.
Further information on storage conditions	: No information available.

7.3. Specific end use(s)

Recommendation	: not applicable
Industrial sector specific solutions	: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

Source : SUVA, Dutch Health Council, 2006/15/EC, 2004/37/EC, LOLI DB, 2000/39/EC, GWBB/VLEP, Gestis, 91/322/EEC, 2017/164/EU, INRS (Fr), TRGS 905, TRGS 910, Austrian OEL Regulation, Dutch Social-Economic Council (SER), US OSHA, EU OSHA, TRGS 900, ACGIH®, 2009/161/EU

20 °C, 1013 mbar: European Union / China / South Korea
25 °C, 1013 mbar: United States / Canada / Japan
[x]: appraisal period x minutes
C: peak limitation
H: skin resorptive
S: Statutory threshold limit value
ALARA: As low as reasonably achievable (ALARA principle).

Remark Occupational exposure limit values

none

DNEL (Derived No Effect Level (DNEL-value))

No information available.

PNEC (Predicted No Effect Concentration (PNEC-value))

No information available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Safe handling: see section 7

8.2.2. Personal protection equipment

Eye/face protection : Eye protection: not required.

Skin protection

Hand protection : Hand protection is not required.

Body protection : Body protection: not required.

Respiratory protection : Usually no personal respirative protection necessary.

8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: solid
Appearance	: Article - batteries and accumulators
Colour	: various
Odour	: odourless
Odour threshold	: No information available.
pH	: not applicable
Melting point/freezing point	: No information available.
Initial boiling point and boiling range	: No information available.
Flash point	: No information available.
Evaporation rate	: not applicable
flammability	: Lithium batteries are highly flammable. Caution! Increased risk of explosion and fire.
Upper/lower flammability or explosive limits	
Upper explosion limit	: not applicable
Lower explosion limit	: not applicable
Vapour pressure	: not applicable
Vapour density	: No information available.
Relative density	: No information available.
Solubility(ies)	
Water	: not applicable
Partition coefficient n-octanol/water	
Mixture	: Product/Substance is inorganic.
Auto-ignition temperature	: not applicable
Decomposition temperature	: No information available.
Viscosity	: not applicable
Explosive properties:	: not applicable
Oxidising properties	: not applicable

9.2. Other information

Critical temperature Tc	: not applicable
Fat solubility	: not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions. Strong mechanical impact.

10.5. Incompatible materials

none

10.6. Hazardous decomposition products

No known hazardous decomposition products. - Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity : not applicable

Following ingestion : No
Skin contact : No
Inhalation : No

Skin corrosion/irritation : not applicable

Serious eye damage/eye irritation : not applicable

Respiratory or skin sensitisation : not applicable

Germ cell mutagenicity : not applicable

Carcinogenicity : not applicable

Reproductive toxicity : not applicable

STOT-single exposure : not applicable

STOT-repeated exposure : not applicable

Aspiration hazard : not applicable

Symptoms

Following inhalation : not applicable

Following skin contact : not applicable

After eye contact : not applicable

Following ingestion : not applicable

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

Biodegradation : No information available.

Chemical oxygen demand (COD) : No information available.

Biochemical oxygen demand : No information available.

BOD5/COD ratio : No information available.

12.3. Bioaccumulative potential

Bioconcentration factor (BCF)
Mixture : not applicable

Partition coefficient n-octanol/water
Mixture : Product/Substance is inorganic.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

12.8. Additional ecotoxicological information

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Waste should not be disposed of by release to water, drainage, sewer, or the ground. Collect the waste separately. Disposal should be in accordance with applicable regional, national and local laws and regulations. Lithium batteries and lithium cells of less than 500 grams (e.g. mobile phone batteries, laptop batteries) can be collected together with the "normal" dry batteries and disposed of in a collection container specifically for these types of batteries. However, this only applies if the batteries have no visible damage and have not been degassed. Do not mix with other wastes.

Other disposal recommendations : not applicable

SECTION 14: Transport information

14.1. UN number or ID number

UN 3481

14.2. UN proper shipping name

LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT

14.3. Transport hazard class(es)

9

14.4. Packing group

none

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

Hazard identification number (Kemler No.) : none

EmS (IMDG) : F-A, S-I

14.7. Maritime transport in bulk according to IMO instruments

No information available.

14.8.

ADR / RID	The product may be transported as such, as it meets the criteria of special provision: 188
IMDG	The product may be transported as such, as it meets the criteria of special provision: 188
ICAO-TI / IATA-DGR	The product meets the criteria of (and may be transported according to) IATA packing instruction [GENERAL REQUIREMENTS & SECTION II]: 967. The batteries meet the requirements of each test of the "UN Manual of Tests and Criteria, Part III, subsection 38.3".

SECTION 15: Regulatory information

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

International regulations:

Minamata Convention on Mercury : not applicable

EU legislation

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

not applicable

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH:

not applicable

Overall Assessment on CMR properties

according to Regulation (EC) No. 1907/2006 (REACH) : not applicable

Regulation (EC) No 850/2004 [POP-Regulation]

not applicable

Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer.

not applicable

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Additional information

Lithium batteries are highly flammable. Caution! Increased risk of explosion and fire.

Relevant H-phrases (Number and full text)

not applicable

Abbreviations and acronyms

ACGIH®	American Conference of Governmental Industrial Hygienists
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
BuAc	n-Butyl acetate
CAS	Chemical Abstracts Service
CCID	New Zealand Chemical Classification and Information Database
DSL	Canada Domestic Substances List
ECHA-RAC	ECHA Committee for Risk Assessment
EFSA	European Food Safety Authority
EHSP	OECD Environment, Health, and Safety Publication
EmS	Emergency Schedule
EU-CLH	European Union Harmonised Classification and Labelling
GESTIS	Databases on hazardous substances of the German Social Accident Insurance
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
GWBB-VLEP	Grenswaarden voor beroepsmatige blootstelling/Valeurs limites d'exposition professionnelle
HHS	U.S. Department of Health and Human Services
HSDB	Hazardous Substances Data Bank
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INRS	French National Research and Safety Institute for the Prevention of Occupational Accidents and Diseases
JP-GHS	Japan GHS Basis for Classification Data
KHC	Known human carcinogens.
LEL	Lower explosion limit
LOLI	LOLI (List of Lists) Database
n.a.	not applicable
NDSL	Canada Non-domestic Substance List
NICNAS	Australia National Industrial Chemicals Notification and Assessment Scheme
NIER	South Korea National Institute of Environmental Research Evaluations
NLM	United States National Library of Medicine
NTP	National Toxicology Program
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
OSHA	Occupational Safety & Health Administration
OUE	European Odour Unit
RAHC	Reasonably Anticipated Human Carcinogen

REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCOEL	Scientific Committee on Occupational Exposure Limits (EU)
SIDS	OECD Screening Information Data Sets
SUVA	Swiss Accident Insurance Fund
TRGS	Technische Regeln für Gefahrstoffe
TSCA	The Toxic Substances Control Act Chemical Substance Inventory
TWA	Time Weighted Average
UEL	Upper explosion limit
UN	United Nations
US-EPA	United States Environmental Protection Agency