

## SAFETY DATA SHEET

"Regulation on Safety Data Sheets on Hazardous Substances and Mixtures" and EC 1907/2006 (REACH) issued by the Ministry of Environment and Urbanization No. 29204 of 13 December 2014.

## 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / OWNER

## 1.1. Identification of the substance / mixture

Product's Trade Name: RECHARGEABLE DESK LAMP

## Identified uses of the substance or mixture and non-recommended uses

## Safety information form supplier information

Suppliers ARSTAR ELEKTRİK ELEKTRONİK AYDINLATMA PROJE TASARIM SANAYİ TİCARET LİMİTED ŞİRKETİ

İSTANBUL İ.O.S.B MUTSAN SANAYİ SİTESİ M-3 BLOK NO: 34 BAŞAKŞEHİR/İSTANBUL TÜRKİYE

0212 486 42 00

Şuayip AKTEMUR muhasebe@arstar.com.tr

## 1.4. Emergency telephone number

National Poison Information Center (ERA): 114 Emergency Medical Services: 112 Police: 155 Gendarmerie: 156

## 2 DANGEROUS DESCRIPTION

<b>Routes of entry</b>	Eyes, skin, inhalation, ingestion
<b>Health hazards</b>	These chemicals are incorporated in a sealed container. Risk of exposure occurs only if the battery is mechanically or electrically abused. The most likely risk is acute exposure when a battery vents. Leaking material exposure to skin/eyes may cause irritation. Inhalation of fumes may cause respiratory irritation.
<b>Sign/Symptoms of exposure</b>	Leaking can cause thermal and chemical burns upon contact with the skin.

## 2.1 Other hazards

- Results of PBT and vPvB assessment
- PBT: Not determined.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

## 3.1. Materials

Not applicable

## 3.2. Mixture

Chemical	Molecular formula	CAS No.	Weight (%)
Lityumiyon	LI-ION	7439-93-2	30-40
Zinc	Zn	7440-66-6	5-19
Potassium hydroxide (liquid)	KOH	1310-58-3	10-15
Cobalt	Co	7440-48-4	4 - 8
Manganese	Mn	7439-96-5	< 2
Aluminum	Al	7429-90-5	< 1
Iron	Fe	7439-89-6	< 1
Water, paper, plastic, other		Balance	

Full Text For All (H) Clauses.

About the sequence: The data were last T.C and A.B. In accordance with the regulations.

## 4 FIRST AID MEASURES

<b>Eyes</b>	Flush eyes with large amounts of water for at least 15 minutes. Seek immediate medical attention if eyes have been exposed directly to acid.
<b>Skin</b>	Flush affected area(s) with large amounts of water using deluge emergency shower, if available, shower for at least 15 minutes. Remove contaminated clothing. If symptoms persist, seek medical attention.
<b>Inhalation</b>	If breathing difficulties develop, remove person to fresh air. If symptoms persist, seek medical attention.
<b>Ingestion</b>	If swallowed, give large amounts of water. Do NOT induce vomiting or aspiration into the lungs may occur and can cause permanent injury or death.

## 5 FIRE PRECAUTIONS

<b>Flash point</b>	N/A
<b>Auto ignition temperature</b>	N/A
<b>Extinguishing media</b>	CO <sub>2</sub> , dry chemical
<b>Special fire-fighting procedures</b>	Self-contained breathing apparatus
<b>Unusual fire and explosion hazards</b>	Cell may vent when subjected to excessive heat-exposing battery contents.



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**Hazardous combustion products**

Carbon monoxide, carbon dioxide, other metallic oxide fumes

**6 ACCIDENT PREVENTION MEASURES****Steps to be taken in case material is released or spilled**

If the battery is accidentally broken and leaks out, wipe it up with a cloth and dispose it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the batteries to cool and vapors to dissipate. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors. Remove spilled material with absorbent.

**Waste disposal method**

It is recommended to completely discharge the battery, recycle copper and other metal, hand in the separated unified batteries to an appropriate department, dispose of the batteries in accordance with approved local, state and federal requirements. Consult state environmental protection agency and/or federal EPA.

**7 HANDLING AND STORAGE**

The batteries should not be opened, destroyed or incinerated, since they may leak or rupture and release the ingredients they contain in the hermetically sealed container to the environment. Do not short-circuit terminals, over-discharge by force, throw to fire.

Do not crush or puncture the battery or immerse in liquids.

**Precautions to be taken in handling and storing**

Avoid mechanical or electrical abuse. Store preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor expose to direct sunlight for long periods.

**Other precautions**

Do not short-circuit or install with incorrect polarity.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Respiratory protection**

In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting batteries. Respiratory protection is not necessary under conditions of normal use.

**Other protective clothing or equipment**

Not necessary under conditions of normal use.

Personal protection is recommended for venting batteries: Respiratory protection, protective gloves, protective clothing and safety glasses with side shields.

**9 PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Melting point</b>	N/A
<b>Boiling point</b>	N/A
<b>Vapor pressure</b>	N/A
<b>Vapor density</b>	N/A
<b>Specific gravity</b>	1.17 – 1.250 (electrolyte)
<b>Evaporation rate</b>	Not determined
<b>Solubility in water</b>	Electrolyte solution: Completely soluble Remainder: Insoluble
<b>Appearance characters</b>	Prismatic, black / red / orange / blue /yellow housing with odorless battery
<b>Chemical uses</b>	Industrial electronics



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**9.2 Other informations**

No information.

**10 STABILITY AND REACTIVITY**

<b>Stability</b>	Stable
<b>Condition to avoid</b>	Heating, fire, mechanical abuse and electrical abuse
<b>Hazardous decomposition products</b>	When exposed to fire or extreme heat, batteries may emit toxic fumes.

**11 TOXICOLOGY INFORMATION**

Signs & symptoms: None, unless battery ruptures. In the event of exposure to internal contents, corrosive fumes will be very irritating to skin, eyes and mucous membranes.

Overexposure can cause symptoms of non-fibrotic lung injury and membrane irritation.

Inhalation: Lung irritant

Skin contact: Skin irritant

Eye contact: Eye irritant

Ingestion: Tissue damage to throat and gastro-respiratory tract if swallowed

Medical conditions generally

aggravated by exposure: In the event of exposure to internal contents, eczema, skin allergies, lung injuries, asthma and other respiratory disorders may occur.

**12 ECOLOGICAL INFORMATION****Environment effect**

When properly used or disposed the battery does not present environmental hazard.

When disposed, keep away from water, rain and snow.

**13 DISPOSAL INFORMATION****Appropriate method of disposal of substance or preparation**

USA: Lithium-Ion batteries are classified by the federal government as non-hazardous waste and are safe for disposal in the normal municipal waste stream. These batteries, however, do contain recyclable materials and are accepted for recycling by the Rechargeable Battery Recycling Corporation's (RPBC) Battery Recycling Program. Please go to the RPBC website at [www.rbrc.org](http://www.rbrc.org) ( [www.call2recycle.org](http://www.call2recycle.org)) for additional information.

In the European Union, manufacturing, handling and disposal of batteries is regulated on the basis of the DIRECTIVE 2006/66/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 September 2006 on batteries and accumulators and waste batteries and accumulators and repealing Directive 91/157/EEC.

Customers find detailed information on disposal in their specific countries using the web site of the European Portable Batteries Association ([http://www.epbaeurope.net/legislation\\_national.html](http://www.epbaeurope.net/legislation_national.html))

Importers and users outside EU should consider the local law and rules

In order to avoid short circuit and heating, used lithium ion batteries should never be stored or transported in bulk.

Proper measures against short circuit are: - Storage of batteries in original packaging

- Coverage of the terminals

- Embedding in dry sand.

**14 TRANSPORT INFORMATION****ADR**

UN-Number: 3481

description Lithium ion batteries contained in equipment / packed with equipment

class: 9

packaging order: P903

Handan KAVI  
Sertifika No:TÜV/11.25.04  
Kimyasal Değerlendirme  
Uzmanı



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special provision: 188; 230; 348; 360; 367; 377; 636  
tunnel forbidden code: E

**IATA**

UN-Number: 3481  
description Lithium ion batteries contained in equipment  
class: 9

packaging order: 967  
section: II, I  
special provision: A48; A99; A154; A164; A181; A185  
UN-Number: 3481

description Lithium ion batteries packed with equipment  
class: 9  
packaging order: 966  
section: II, I

special provision: A88; A99; A154; A164; A181; A185  
IMDG-Code

UN-Number: 3481  
description Lithium ion batteries contained in equipment / packed with equipment  
class: 9

packaging order: P903  
special provision: 188; 230; 348; 360; 376; 377  
Since 1st of January 2013 it is necessary to produce both, lithium cells and lithium batteries under an existing quality assurance program.

The quality assurance program is detailed in following parts of the international dangerous goods laws:

- ADR (2015): 2.2.9.1.7 (e)
- IATA (56th edition): 3.9.2.6 (e)
- IMDG-Code (Amendment 37-14): 2.9.4 (5.)

Ansmann hereby declare that all lithium cells and batteries of the Ansmann product range are produced according the above named quality assurance program.

**15 REGULATORY INFORMATION****Law information**

Regulations specifically applicable to the product:

- ACGIH and OSHA: see exposure limits of the internal ingredients of the battery in section 3.
- IATA/ICAO (air transportation): UN 3480 or UN 3481
- Transportation within the US-DOT, 49 Code of Federal Regulations (special provision 188
- IMDG (sea transportation) : UN 3480 or UN 3481 (special provision 188, 230)

**16 OTHER INFORMATIONS****Information Sources**

This is arranged according to the information received from the GBF product owner.

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Revision Statement Rev.

Certificate No .: TÜV/11.25.04

Certificate valid from: 24.05.2025

Handan KAVI - Certified Chemical Evaluation Specialist

Contact: 0530 6611051

New issue date 01.12.2025

Prepared on 01.12.2022

Trouble editing is 00

Relevant phrases

H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**ADDITIONAL INFO**

This GBF is valid for up to 3 years in terms of legislative requirements. After this date, the new version which has been updated according to the new classification and labeling provisions must be used.

**DISCLAIMER**

This information relates only to a specific material, and should not be used in combination with any other material or in combination with any other material. The information provided in this document is accurate and reliable as of the date indicated, at the highest level of knowledge and opinion of the company. It is the user's own responsibility to be convinced of its suitability.

This information is based on our current knowledge and is intended to define the health, safety and environmental requirements of the product. For this reason, this information should not be construed as an assurance of any property of the product.

