

SAFETY DATA SHEET

STROM INDUSTRIAL AAA BATTERY 24 PACK

Infosafe No.: LQB3P
ISSUED Date : 11/05/2022
ISSUED by: WIS SOLUTIONS

Section 1 - Identification

Product Identifier

STROM INDUSTRIAL AAA BATTERY 24 PACK

Product Code

3349569

Company Name

WIS SOLUTIONS

Address

Level 4,
26 Talavera Road Macquarie Park
NSW 2113 AUSTRALIA

Telephone/Fax Number

Tel: 02 8873 4800
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Emergency Phone Number

Aust: 1800 638 556 / NZ: 0800 154 666 (24hrs)

E-mail Address

wis.solutions@wisau.com.au

Recommended use of the chemical and restrictions on use

Battery

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Other Information

The product is a battery and is therefore classified as an article and is not hazardous when used according to the recommendations of the manufacturer. The hazard is associated with the contents of the cell or battery. The potential for exposure should not exist unless the battery leaks, is exposed to high temperatures or is abused/damaged.

Health hazards: Internal contents of the battery are corrosive to the skin and eyes.

Environmental hazards: Internal contents of the battery may be harmful to the environment.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
manganese dioxide	1313-13-9	30-40 %
Iron	7439-89-6	15-25 %
Zinc	7440-66-6	10-20 %
potassium hydroxide	1310-58-3	1-10 %
Copper	7440-50-8	1-5 %
Graphite	7782-42-5	2-3 %
Ingredients determined not to be hazardous		Balance

Section 4 - First Aid Measures

Inhalation

Not considered a potential route of exposure for intact product, when used as intended. However, if the sealed unit is damaged and exposure occurs, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion

Not considered a potential route of exposure for intact product, when used as intended. However, if ingested, do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin

Not considered a potential route of exposure for intact product, when used as intended. If the sealed unit is damaged and exposure occurs: Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.

Eye

Not considered a potential route of exposure for intact product, when used as intended. If the sealed unit is damaged and exposure occurs: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities

Eye wash fountain and normal washroom facilities.

Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

Section 5 - Firefighting Measures

Suitable Extinguishing Media

Carbon dioxide. Dry powder. Foam.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes and gases including oxides of manganese, zinc and potassium.

Specific hazards arising from the chemical

Bursting batteries can be forcibly projected from a fire. Danger of electric shock during fire-fighting of batteries.

Decomposition Temperature

Not available

Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

Section 6 - Accidental Release Measures

Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Collect the material and place into a suitable labelled container. Wash surfaces well with soap and water. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. Note: Contents of battery are corrosive.

Section 7 - Handling and Storage

Precautions for Safe Handling

Protect sealed unit from damage. Keep away from all sources of ignition. Do not dismantle batteries. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from sources of ignition, direct sunlight and combustible materials. Elevated temperatures can result in shortened battery life. Protect against physical damage. Ensure battery terminals are protected during storage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Store in original packages as approved by manufacturer. Ensure that storage conditions comply with applicable local and national regulations.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Manganese, dust & compounds (as Mn)

TWA: 1 mg/m³

Manganese, fume (as Mn)

TWA: 1 mg/m³

STEL: 3 mg/m³

Potassium hydroxide

TWA 2 mg/m³ (peak)

Zinc oxide

TWA 5 mg/m³ (fume), 10 mg/m³ (dust)

STEL: 10 mg/m³ (fume)

Copper (as Cu))

TWA: 0.2 mg/m³ (fume)

TWA: 1 mg/m³(dusts and mists

Graphite

TWA: 3 mg/m³ (respirable dust)

(natural & synthetic))

Iron oxide

TWA 5 mg/m³ (fume)

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

Source: Safe Work Australia

Biological Monitoring

No biological limits allocated

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Control Banding

Not available

Engineering Controls

None required, when used as intended. Where exposure to battery content is possible: Use with good general ventilation. If dust is produced, local exhaust ventilation should be used.

Respiratory Protection

None required, when used as intended. Where exposure to battery content is possible: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Eye and Face Protection

None required, when used as intended. Where exposure to battery content is possible: Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications..

Hand Protection

None required, when used as intended. Industrial application: Wear gloves of impervious material such as Butyl rubber(>120 min). Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Thermal Hazards

No further relevant information available.

Body Protection

None required, when used as intended. Where exposure to battery content is possible: Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Article - Battery	Appearance	Plastic film shell
Colour	Multicolour	Odour	Odourless
Melting Point	>300°C	Boiling Point	Not available
Decomposition Temperature	Not available	Solubility in Water	Partially soluble
Specific Gravity	Not available	pH	11-12
Vapour Pressure	Not available	Relative Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not applicable	Partition Coefficient: n-octanol/water (log value)	Not available
Flash Point	Not applicable	Flammability	Non-flammable
Auto-Ignition Temperature	Not available	Explosion Limit - Upper	Not applicable
Explosion Limit - Lower	Not applicable		

Section 10 - Stability and Reactivity

Reactivity

Reacts with incompatibles.

Chemical Stability

Stable under normal conditions of use.

Possibility of hazardous reactions

May rupture violently when heated.

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Conditions to Avoid

Avoid shorting, charging, over discharging, damage. Protect from excessive heat and direct sunlight.

Incompatible Materials

Strong oxidising agents. Corrosives.

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including oxides of manganese, zinc and potassium.

Section 11 - Toxicological Information

Toxicology Information

No toxicity data available for this product.

Ingestion

Exposure not expected for intact product. If damaged, swallowing of the contents of this product can be harmful or irritating to the gastric tract causing nausea and vomiting.

Inhalation

Exposure not expected for intact product. Inhalation of vapours/dust from an open battery may cause irritation of the respiratory system.

Skin

Exposure not expected for intact product. Contents of an open battery can be corrosive to skin. The symptoms may include redness, itching, swelling or burns.

Eye

Exposure not expected for intact product. Contents of an open battery can be severely irritating or corrosive to eyes. The symptoms may include redness, itching, blurred vision, tearing or burns.

Respiratory Sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ Cell Mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT - Single Exposure

Not expected to cause toxicity to a specific target organ.

STOT - Repeated Exposure

Not expected to cause toxicity to a specific target organ through repeated or prolonged exposure.

Aspiration Hazard

Not expected to be an aspiration hazard.

Section 12 - Ecological Information

Ecotoxicity

Contents of battery: May be harmful to aquatic life with long lasting effects.

Persistence and degradability

Not available

Mobility

Not available

Bioaccumulative Potential

Not available

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Other Adverse Effects

Not available

Environmental Protection

Prevent this material entering waterways, drains and sewers.

Hazardous to the Ozone Layer

This product is not expected to deplete the ozone layer.

Section 13 - Disposal Considerations

Disposal Considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. To minimise personal exposure to the chemical, refer to Section 8 — Exposure controls and personal protection.

Section 14 - Transport Information

Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN Number

None Allocated

Proper Shipping Name

None Allocated

Transport Hazard Class

None Allocated

Special Precautions for User

Not available

IMDG Marine pollutant

No

Transport in Bulk

Not available

Section 15 - Regulatory Information

Regulatory Information

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

Not Scheduled

Montreal Protocol

Not listed

Stockholm Convention

Not listed

Rotterdam Convention

Not listed

International Convention for the Prevention of Pollution from Ships (MARPOL)

Not available

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Agricultural and Veterinary Chemicals Act 1994

Not available

Basel Convention

Not available

Section 16 - Any Other Relevant Information

Date of Preparation

SDS created: May 2022

Version Number

1.0

Literature References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Code of Practice for Supply Diversion into Illicit Drug Manufacture.

National Code of Practice for Chemicals of Security Concern.

Agricultural Compounds and Veterinary Chemicals Act.

International Agency for Research on Cancer (IARC) Monographs.

Montreal Protocol on Substances that Deplete the Ozone Layer.

Stockholm Convention on Persistent Organic Pollutants (POPs).

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.

International Air Transport Association (IATA) Dangerous Goods Regulations.

International Maritime Dangerous Goods (IMDG) Code.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).

Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

User Codes

User Title Label	User Codes
Wis Numbers	3349569

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