MATERIAL SAFETY DATA SHEET Model YOSS Lithium Ion Rechargeable Battery YOSS CO., LTD

1. Chemical Product and Company Identification

Product Identification

YOSS Lithium-Ion Battery

Manufacturer

YOSS CO., Ltd.

906 Unit B, No.6 building,shijichuncheng, shaxiaxincun,mingzhi longhua She nzhen 518131

Emergency Telephone Number

+86(755) 2904 8796

2. Composition Information

Hazardous Ingredients	%	CAS Number
Aluminum Foil	2-10	7429-90-5
Metal Oxide (proprietary)	20-50	
Polyvinylidene Fluoride (PVDF)	<5	24937-79-9
Copper Foil	2-10	7440-50-8
Carbon (proprietary)	10-30	7440-44-0
Electrolyte (proprietary)	10-20	
Stainless steel, Nickel and inert materials	Remainder	N/A

^{*} Equivalent Lithium content: 0.90g, Electric Power Capacity: 10.8Wh

Page 1 of 8 Printed 17-9-25

3. Hazards Identification

Emergency Overview

May explode in a fire, which could release hydrogen fluoride gas. Use extinguishing media suitable for materials burning in fire.

Primary routes of entry

Skin contact : NO
Skin absorption : NO
Eye contact : NO
Inhalation : NO
Ingestion : NO

Symptoms of exposure

Skin contact

No effect under routine handling and use.

Skin absorption

No effect under routine handling and use.

Eye contact

No effect under routine handling and use.

Inhalation

No effect under routine handling and use.

Reported as carcinogen

Not applicable

Page 2 of 8 Printed 17-9-25

4. First Aid Measures

Inhalation

Not a health hazard.

Eye contact

Not a health hazard.

Skin contact

Not a health hazard.

Ingestion

If swallowed, obtain medical attention immediately.

<u>IF EXPOSURE TO INTERNAL MATERIALS WITHIN CELL DUE T</u> DAMAGED OUTER CASING, THE FOLLOWING ACTIONS ARE <u>RECOMMENDED</u>;

Inhalation

Leave area immediately and seek medical attention.

Eye contact

Rinse eyes with water for 15 minutes and seek medical attention.

Skin contact

Wash area thoroughly with soap and water and seek medical attention.

Ingestion

Drink milk/water and induce vomiting; seek medical attention.

Page 3 of 8 Printed 17-9-25

5. Fire Fighting Measures

General Hazard

Cell is not flammable. Combustion products include, but are not limited to hydrogen fluoride, carbon monoxide and carbon dioxide.

Extinguishing Media

Use extinguishing media suitable for the materials that are burning.

Special Firefighting Instructions

If possible, remove cell(s) from fire fighting area. If heated above 160°C, cell(s) may explode/vent.

Firefighting Equipment

Use NIOSH/MSHA approved full-face self-contained breathing apparatus (S CBA) with full protective gear.

6. Accidental Release Measures

On Land

Place material into suitable containers and call local fire/police department.

In Water

If possible, remove from water and call local fire/police department.

7. Handling and Storage

Handling

No special protective clothing required for handling individual cells.

Storage

Store in a cool, dry place.

Page 4 of 8 Printed 17-9-25

8. Exposure Controls / Personal Protection

Engineering controls

Keep away from heat and open flame. Store in a cool dry place.

Personal Protection

Respirator

Not required during normal operations. SCBA required in the event of a fire.

Eye/face protection

Not required beyond safety practices of employer.

Gloves

Not required for handling of cells.

Foot protection

Steel toed shoes recommended for large container handling.

9. Physical and Chemical Properties

State	Solid
Odor	N/A
PH	N/A
Vapor pressure	N/A
Vapor density	N/A
Boiling point	N/A
Solubility in water	Insoluble
Specific gravity	N/A
Density	N/A

Page 5 of 8 Printed 17-9-25

10. Stability and Reactivity

Reactivity

None

Incompatibilities

None during normal operation. Avoid exposure to heat, open flame, and corrosives.

Hazardous Decomposition Products

None during normal operating conditions. If cells are opened, hydrogen fl uoride and carbon monoxide may be released.

Conditions To Avoid

Avoid exposure to heat and open flame. Do not puncture, crush or incinerate.

11. Toxicological Information

This product does not elicit toxicological properties during routine handling use.

S-1	Sensitization	Teratogenicity	Reproductive toxicity	Acute toxicity
	NO	NO	NO	NO

If the cells are opened through misuse or damage, discard immediately. In components of cell are irritants and sensitizers.

12. Ecological Information

Some materials within the cell are bioaccumulative. Under normal conditio these materials are contained and pose no risk to persons or the surroundin environment.

Page 6 of 8 Printed 17-9-25

13. Disposal Considerations

California regulated debris

RCRA Waste Code : Nonregulated

Dispose of according to all federal, state, and local regulations.

14. Transport Information

Lithium Ion batteries are considered to be "Rechargeable batteries" and meet th requirements of transportation by the U.S. Department of Transportation(DOT), the International Civil Aviation Administration(ICAO), the International Maritime Dangerous Goods (IMDG) Code.

Even classified as lithium ion batteries (UN3480), 2015 IATA Dangerous Goods Regulations 56 dedition Packing Instruction 965 Section IB or II is applied The general and additional requirements apply to all lithium ion cells and batteries prepared for transport according to this packing instruction:

1) Section IB applies to lithium ion cells with a Watt-hour rating not exceeding 20

Wh and lithium ion batteries with a Watt-hour rating not exceeding 100 Wh packed in quantities that exceed the allowance permitted in Section IB, Ta 965-IB; and

TABLE 965-IB

		Net quantity per package Passenger aircraft		
Lithium ion cells and batteries	10 kg		10 kg	
OUTER PACKAGINGS				
OUTER PACKAGINGS				

2) Section II applies to lithium ion cells with a Watt-hour rating not exce Wh and lithium ion batteries with a Watt-hour rating not exceeding 100 W packed in quantities not exceeding the allowance permitted in Section II, T 965-II.

Page 7 of 8 Printed 17-9-25

Cells and/or batteries specified in columns 2, 3 and 4 of Table 965-II must not combined in the same package.

Each cell or battery is of the type proven to meet the requirements of each Test in the UN Manual of Tests and Criteria Part 3 subsection 38.3.

15. Regulatory Information

	_Hazaro	dous _	N	Ion-h	nazardo	OUS
OSHA	hazard	communication	standard	(29	CFR	1910.1200)

16. Other Information

Hazardous Materials Information Label (HMIS)

Health: 0

Flammability: 0 Physical Hazard: 0

NFPA Hazard Ratings

Health: 0

Flammability: 0
Reactivity: 0
Unique Hazard:

Report Representative

YOSS CO.LTD.

Page 8 of 8 Printed 17-9-25