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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	LINQCELL™ Nickel Wire Mesh
Applications	Gas diffusion layers for fuel cells and water electrolyzers Electrodes for alkaline water electrolyzers and batteries
Advised Against	No further relevant information available
Supplier Name	Caplinq Europe BV

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SECTION 2. HAZARDS IDENTIFICATION

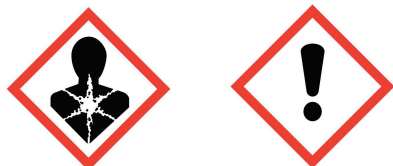
CLASSIFICATION

Skin Sensitization	Category 1
Carcinogenicity	Category 2
Specific Target Organ Toxicity (Repeated Exposure)	Category 2

SIGNAL WORD

Warning

HAZARD PICTOGRAM



HAZARD STATEMENTS

H317	May cause an allergic skin reaction
H351	May cause cancer
H373	Causes damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS

P262	Do not get in eyes, on skin, or clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE PRECAUTIONARY STATEMENTS

P305+P351+P338	IF IN eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

STORAGE AND DISPOSAL PRECAUTIONARY STATEMENTS

P403+P233	Store in a well-ventilated place. Keep the container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

OTHER HAZARDS**PBT** (Persistent, Bioaccumulative and Toxic) Not applicable.**vPvB** (very Persistent and very Bioaccumulative) Not applicable.

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Proportion (%)
1	Nickel	7440-02-0	≥99%

SECTION 4. FIRST AID MEASURES

GENERAL ADVICE

- Symptoms of poisoning may manifest even several hours after exposure; hence, medical observation for a minimum of 48 hours following the incident is advised.

EYE CONTACT

- Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes.
- After administering emergency eye treatment, immediately seek medical attention.

SKIN CONTACT

- Wash thoroughly with plenty of soap and water and rinse thoroughly for at least 15 minutes.

INHALATION

- Move the affected person to fresh air immediately. If they are not breathing, administer artificial respiration.
- Seek immediate medical attention. If the person is unconscious, lay them on their side for safe transport.

INGESTION

- Do not induce vomiting. If symptoms persist, immediately contact a physician or poison control center.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing methods suitable for the specific conditions and environment.**Special Fire Hazards:** None identified.**Special Protective Equipment for Firefighters:** No special measures required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection Precaution: Not required.**Environmental Precautions:** No special measures required.

SECTION 7. HANDLING AND STORAGE

HANDLING

- No special handling precautions are required when used correctly.

STORAGE

- Store containers securely sealed in a dry, cool, and well-ventilated location.
- Avoid storing with strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS

No.	Components	Standards*	Reference
1	Nickel	1.0 mg/m ³ /1.5 mg/m ³	OSHA ¹ /ACGIH ²

ENGINEERING CONTROLS AND PERSONAL PROTECTION

- Implement technical measures to adhere to occupational exposure limits, including the provision of showers, eyewash stations, and ventilation systems.
- Respiratory Protection: No special protection needed.
- Eye/Skin Protection: Chemical safety splash goggles, eyewash equipment, and protective, impermeable gloves (general rubber or lined) are recommended. Wear protective clothing and closed shoes when handling the product. Ensure access to eye wash stations and emergency showers. Immediately remove all contaminated clothing

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Gray lustrous metal wire mesh
Odor	Odorless
pH	Not applicable
Melting Point	1455 °C
Boiling Point	2730 °C
Specific Gravity	8.9
Flash Point	Not applicable
Vapour Pressure	1 mmHg (at 1810 °C)
Self-ignition Temperature	Not applicable
Explosion Limit	Not applicable
Decomposition Temperature	Not applicable

SECTION 10. STABILITY & REACTIVITY

Chemical Stability: Stable under ordinary conditions of use and storage.

Conditions To Avoid: No further relevant information available.

Possible Hazard Reaction under Special Conditions: No hazard under normal processing.

Hazardous Decomposition Products: None under normal use conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogenic Effects: Nickel (CAS No. 7440-02-0) has been listed as Group 2B carcinogenic by the International Agency for Research on Cancer (IARC), indicating it is carcinogenic to humans, and also by OSHA and National Toxicology Program (NTP).

Mutagenic Effects: No information available.

Reproductive Effects: No information available.

Aspiration Hazard: No information available.

Endocrine Effects: No information available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Very toxic to aquatic life with long lasting effects.

Persistence/Degradability: No information available.

Bioaccumulation: No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of waste needs to be carried out at the city, state, or federally permitted disposal facility. Handle in accordance with applicable regulations and/or local authorities.

SECTION 14. TRANSPORT INFORMATION

Land transport ADR/RID (Cross-border)

ADR, RID Class: Not subject to ADR classification.

Maritime transport IMDG

IMDG Class: Not subject to IMDG classification.

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: Not subject to IATA classification.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized safety officer. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15. REGULATORY INFORMATION

Component	TSCA	DSL	NDSL	EINECS	PICCS	ENCS	AICS	IECSC	KECL
Nickel 7440-02-0	X	X	-	231-111-4	X	X	X	X	KE-25818

REGULATION INVENTORIES

US TSCA	Toxic Substances Control Act
Canada DSL/ NDSL	Domestic Substances List/Non-Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances
Japan ENCS	Existing and New Chemical Substances
AICS	Australian Inventory of Chemical Substances
China IECSC	Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
	KE Number (http://ncis.nier.go.kr/en/main.do)

Legend

X Listed

"-" Not listed

SECTION 16. OTHER INFORMATION

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