Lithium Ion Battery in/with Clipper/Shaver/Trimmer/Nail Grinder/Massager

Safety Data Sheet

According to the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200), as amended May 20, 2024, and according to the Canadian Hazardous Products Regulation (HPR) under WHMIS 2015.

Revision Date: 02/13/2026 Version: 2.1

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Lithium Ion Battery in/with Clipper/Shaver/Trimmer/Nail Grinder/Massager

1.2. Intended Use of the Product

Lithium based battery product

1.3. Name, Address, and Telephone of the Responsible Party

Wahl Clipper Corporation
2900 N. Locust Street
Sterling, IL 61081 USA
USA
Phone: (815) 625-6525

1.4. Emergency Telephone Number

Emergency Number : VelocityEHS
(800)255-3924 (North America)
+1 (813)248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Acute toxicity (oral) Category 4	H302
Acute toxicity (inhalation:dust,mist) Category 2	H330
Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation Category 1	H318
Carcinogenicity Category 2	H351
Specific target organ toxicity (repeated exposure) Category 1	H372
Hazardous to the aquatic environment – Chronic Hazard Category 3	H412

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA) :

GHS05 GHS06 GHS08

Signal Word (GHS-US/CA) : Danger

Hazard Statements (GHS-US/CA) : H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H330 - Fatal if inhaled.
H351 - Suspected of causing cancer (Inhalation).
H372 - Causes damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust, vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P284 - In case of inadequate ventilation wear respiratory protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a POISON CENTER or doctor.
P314 - Get medical advice/attention if you feel unwell.
P320 - Specific treatment is urgent (see section 4 on this SDS).
P330 - Rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Cobalt lithium manganese nickel oxide	Lithium cobalt manganese nickel oxide Cobalt lithium manganese nickel oxide (1:?:?:?:?) Cobalt lithium nickel oxide	(CAS-No.) 182442-95-1	30 – 45	Acute Tox. 2 (Inhalation), H330 Carc. 1B, H350 STOT RE 1, H372 Aquatic Chronic 3, H412
Graphite	C.I. Pigment Black 10 C.I. 77265 graphite	(CAS-No.) 7782-42-5	15 – 25	Combustible Dust
Copper	Copper, metallic Pigment Metal 2 Copper metal CI 77400 Copper, elemental C.I. Pigment Metal 2 C.I. 77400 Granulated copper copper Copper, granulated	(CAS-No.) 7440-50-8	5 – 10	Combustible Dust
Aluminum	Aluminium Aluminium metal Aluminium, metal Aluminum metal Aluminum, elemental Aluminum, metal C.I. 77000 CI 77000 Aluminium powder (stabilised) Aluminium powder (stabilized) Aluminium powder Pigment Metal 1 Aluminum powder Aluminium metal, powder aluminum Aluminum powder (pigment metal 1)	(CAS-No.) 7429-90-5	2 – 8	Not classified.

Styrene-butadiene copolymer	Styrene/butadiene copolymers Polymer of styrene and 1,3-butadiene Styrene-butadiene rubber 1,3 Butadiene/styrene copolymers Styrene homopolymer and 1,3-butadiene homopolymer, block copolymer Polymer of buta-1,3-diene/styrene Polymer mainly composed of styrene/butadiene Styrene-butadiene copolymers Styrene-butadiene polymer STYRENE/BUTADIENE COPOLYMER Styrene-1,3-butadiene copolymer Butadiene-styrene rubber Butadiene-styrene resin 1,3-Butadiene-styrene polymer Butadiene-styrene polymer 1,3-Butadiene-styrene copolymer Butadiene-styrene copolymer Benzene, ethenyl-, polymer with 1,3-butadiene	(CAS-No.) 9003-55-8	0.5 – 5	Combustible Dust
Phosphate(1-), hexafluoro-, lithium	Lithium hexafluorophosphate(1-) Lithium phosphohexafluoride Phosphate(1-), hexafluoro-, lithium (1:1) Lithium hexafluorophosphate	(CAS-No.) 21324-40-3	1 – 3	Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT RE 1, H372
1,1-Difluoroethylene polymer	Poly(1,1-difluoroethene) POLYVINYLIDENE DIFLUORIDE Vinylidene fluoride homopolymer Polymer of 1,1-difluoroethene PVDF Poly(vinylidene fluoride) Polyvinylidene fluoride resin Polyvinylidene fluoride Homopolymer, ethene, 1,1-difluoro- Ethene, 1,1-difluoro-, homopolymer	(CAS-No.) 24937-79-9	0.1 – 2	Combustible Dust
Carbon black	C.I. 77266 C.I. Pigment Black 6 C.I. Pigment Black 7 Lampblack Vegetable carbon Microjet Black CW Pigment Black 7 Coal soot Channel black Bonjet Black CW D and C Black No. 4 CARBON BLACK D and C Black No. 2 Carbon Black Acetylene black CI 77266	(CAS-No.) 1333-86-4	0.5 – 2	Carc. 2, H351 Combustible Dust

* The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200. Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%). Full text of H-statements: see section 16.

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SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: The following first aid measures apply in case of exposure to the interior battery components, if the battery is damaged and exposure occurs.

Inhalation: For exposure to battery contents: First, take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate respiratory protective equipment, use the buddy system), then remove the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

Skin Contact: For exposure to battery contents: Immediately remove contaminated clothing. Flush with plenty of water for at least 15 minutes. Seek medical advice if irritation develops or persists.
Eye Contact: For exposure to battery contents: Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
Ingestion: For exposure to battery contents: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Exposure to battery contents may result in the following: Causes skin irritation. Causes serious eye damage. May be fatal if inhaled. Suspected of causing cancer (Inhalation). Harmful if swallowed. Causes damage to organs through prolonged or repeated exposure.
Inhalation: Exposure to materials housed in battery: May be fatal if inhaled in significant amounts.
Skin Contact: Exposure to materials housed in battery: Causes skin irritation.
Eye Contact: Exposure to materials housed in battery: Causes permanent damage to the cornea, iris, or conjunctiva.
Ingestion: Exposure to materials housed in battery: This material is harmful orally and can cause adverse health effects.
Chronic Symptoms: Exposure to materials housed in battery: Causes damage to organs through prolonged or repeated exposure. Carbon black is classified under the IARC as 2B, "possibly carcinogenic to humans" and under ACGIH as A3 "confirmed animal carcinogen with unknown relevance to humans".

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical powder. Foam. Sand/earth. Water spray, fog (flooding amounts).
Unsuitable Extinguishing Media: Application of water to product may generate heat and increase fire intensity.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.
Explosion Hazard: Battery may rupture/explode when exposed to excessive heat or fire, if overcharged, short circuited, punctured, or crushed.
Reactivity: Batteries are non-reactive under normal conditions of storage and use. If the internal contents are leaked lithium ion batteries may react with incompatible materials such as water, acids, bases, oxidizers, and reducing agents and form corrosive, irritating, and harmful fumes and by-products. If the battery is damaged, the interaction of water or water vapor and exposed lithium hexafluorophosphate may result in the generation of hydrogen and hydrogen fluoride (HF) gas.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Remove containers from fire area if this can be done without risk. Evacuate area. Fight fire remotely due to the risk of explosion.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products: Carbon oxides (CO, CO_2). Hydrogen Fluoride (HF). Lithium oxides. Metal oxides. Phosphorus oxides.
Other Information: Batteries may explode in fire. Damaged batteries can result in rapid heating and the release of flammable vapors.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not handle until all safety precautions have been read and understood. Product itself under normal conditions of use is not considered hazardous, for materials housed within product: Do not breathe dust or fumes. Do not get in eyes, on skin, or on clothing.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. If battery is not damaged, cleanup spills mechanically and put into approved container for disposal. If battery is damaged and/or leaking: Using shovel or broom, cover battery or spilled substances with dry sand or vermiculite, place in approved container and dispose in accordance with local regulations. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Since this product is a sealed battery, normal handling hazards are minimal unless the battery is damaged or the internal contents are exposed. Do not get in eyes, on skin, or on clothing. Do not breathe dust, vapors, spray from inner battery components. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not short-circuit batteries as they may generate enough heat to ignite.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Batteries should be separated from other materials and stored in a noncombustible, well ventilated, sprinkler-protected structure with sufficient clearance between walls and battery stacks. Do not store batteries in a manner that allows terminals to short circuit. Do not place batteries near heating equipment, nor expose to direct sunlight for long periods. Store in a dry, cool place. Store locked up/in a secure area. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Water.

7.3. Specific End Use(s)

Lithium based battery product

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Graphite (7782-42-5)		
USA ACGIH	ACGIH OEL TWA	2 mg/m³ (all forms except graphite fibers-respirable particulate matter)
USA OSHA	OSHA PEL TWA	15 mg/m³ (synthetic-total dust) 5 mg/m³ (synthetic-respirable fraction) 15 mppcf (natural-respirable dust)
USA OSHA	OSHA PEL TWA	15 mppcf (natural) (See 29 CFR 1910.1000 TABLE Z-3)
USA NIOSH	NIOSH REL (TWA)	2.5 mg/m³ (natural-respirable dust)
USA IDLH	IDLH	1250 mg/m³ (Graphite (natural))
Alberta	OEL TWA	2 mg/m³ (all forms except Graphite fibres-respirable)
British Columbia	OEL TWA	2 mg/m³ (all forms except Graphite fibres-respirable)
Manitoba	OEL TWA	2 mg/m³ (all forms except Graphite fibers-respirable particulate matter)
New Brunswick	OEL TWA	2 mg/m³ (all forms except Graphite fibers-respirable fraction)
Newfoundland & Labrador	OEL TWA	2 mg/m³ (all forms except Graphite fibers-respirable particulate matter)
Nova Scotia	OEL TWA	2 mg/m³ (all forms except Graphite fibers-respirable particulate matter)

Nunavut	OEL STEL	4 mg/m³ (natural, all forms, except Graphite fibres-respirable fraction)
Nunavut	OEL TWA	2 mg/m³ (natural, all forms, except Graphite fibres-respirable fraction)
Northwest Territories	OEL STEL	4 mg/m³ (natural, all forms, except Graphite fibres-respirable fraction)
Northwest Territories	OEL TWA	2 mg/m³ (natural, all forms, except Graphite fibres-respirable fraction)
Ontario	OEL TWAEV	2 mg/m³ (except Graphite fibres-respirable particulate matter)
Prince Edward Island	OEL TWA	2 mg/m³ (all forms except Graphite fibers-respirable particulate matter)
Québec	VEMP (OEL TWAEV)	2 mg/m³ (containing no Asbestos and <1% Crystalline silica, except Graphite fibres-respirable dust)
Saskatchewan	OEL STEL	4 mg/m³ (natural, except Graphite fibres-respirable fraction)
Saskatchewan	OEL TWA	2 mg/m³ (natural, except Graphite fibres-respirable fraction)
Yukon	OEL TWA	20 mppcf 30 mppcf (synthetic) 10 mg/m³ (synthetic)

Copper (7440-50-8)		
USA ACGIH	ACGIH OEL TWA	0.2 mg/m³ (fume)
USA OSHA	OSHA PEL TWA	0.1 mg/m³ (fume) 1 mg/m³ (dust and mist)
USA NIOSH	NIOSH REL (TWA)	1 mg/m³ (dust and mist) 0.1 mg/m³ (fume)
USA IDLH	IDLH	100 mg/m³ (dust, fume and mist)
Alberta	OEL TWA	0.2 mg/m³ (fume) 1 mg/m³ (dust and mist)
British Columbia	OEL TWA	1 mg/m³ (dust and mist) 0.2 mg/m³ (fume)
Manitoba	OEL TWA	0.2 mg/m³ (fume)
New Brunswick	OEL TWA	0.2 mg/m³ (fume)
Newfoundland & Labrador	OEL TWA	0.2 mg/m³ (fume)
Nova Scotia	OEL TWA	0.2 mg/m³ (fume)
Nunavut	OEL STEL	3 mg/m³ (dust and mist) 0.6 mg/m³ (fume)
Nunavut	OEL TWA	0.2 mg/m³ (fume) 1 mg/m³ (dust and mist)
Northwest Territories	OEL STEL	3 mg/m³ (dust and mist) 0.6 mg/m³ (fume)
Northwest Territories	OEL TWA	0.2 mg/m³ (fume) 1 mg/m³ (dust and mist)
Ontario	OEL TWAEV	0.2 mg/m³ (fume) 1 mg/m³ (dust and mist)
Prince Edward Island	OEL TWA	0.2 mg/m³ (fume)
Québec	VEMP (OEL TWAEV)	0.2 mg/m³ (fume) 1 mg/m³ (dust and mist)
Saskatchewan	OEL STEL	0.6 mg/m³ (fume) 3 mg/m³ (dust and mist)
Saskatchewan	OEL TWA	0.2 mg/m³ (fume) 1 mg/m³ (dust and mist)
Yukon	OEL STEL	0.2 mg/m³ (fume) 2 mg/m³ (dust and mist)
Yukon	OEL TWA	0.2 mg/m³ (fume) 1 mg/m³ (dust and mist)

Aluminum (7429-90-5)		
USA ACGIH	ACGIH OEL TWA	1 mg/m³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen

USA OSHA	OSHA PEL TWA	15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)
USA NIOSH	NIOSH REL (TWA)	10 mg/m³ (total dust) 5 mg/m³ (respirable dust)
Alberta	OEL TWA	10 mg/m³ (dust)
British Columbia	OEL TWA	1 mg/m³ (respirable)
Manitoba	OEL TWA	1 mg/m³ (respirable particulate matter)
New Brunswick	OEL TWA	1 mg/m³ (respirable fraction)
Newfoundland & Labrador	OEL TWA	1 mg/m³ (respirable particulate matter)
Nova Scotia	OEL TWA	1 mg/m³ (respirable particulate matter)
Nunavut	OEL STEL	20 mg/m³ (metal-dust)
Nunavut	OEL TWA	10 mg/m³ (metal-dust)
Northwest Territories	OEL STEL	20 mg/m³ (metal-dust)
Northwest Territories	OEL TWA	10 mg/m³ (metal-dust)
Ontario	OEL TWAEV	1 mg/m³ (respirable particulate matter)
Prince Edward Island	OEL TWA	1 mg/m³ (respirable particulate matter)
Québec	VEMP (OEL TWAEV)	10 mg/m³
Saskatchewan	OEL STEL	20 mg/m³ (dust)
Saskatchewan	OEL TWA	10 mg/m³ (dust)

Carbon black (1333-86-4)		
USA ACGIH	ACGIH OEL TWA	3 mg/m³ (inhalable particulate matter)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA OSHA	OSHA PEL TWA	3.5 mg/m³
USA NIOSH	NIOSH REL (TWA)	3.5 mg/m³ 0.1 mg/m³ (Carbon black in presence of Polycyclic aromatic hydrocarbons)
USA IDLH	IDLH	1750 mg/m³
Alberta	OEL TWA	3.5 mg/m³
British Columbia	OEL TWA	3 mg/m³ (inhalable)
Manitoba	OEL TWA	3 mg/m³ (inhalable particulate matter)
New Brunswick	OEL TWA	3 mg/m³ (inhalable fraction)
Newfoundland & Labrador	OEL TWA	3 mg/m³ (inhalable particulate matter)
Nova Scotia	OEL TWA	3 mg/m³ (inhalable particulate matter)
Nunavut	OEL STEL	7 mg/m³
Nunavut	OEL TWA	3.5 mg/m³
Northwest Territories	OEL STEL	7 mg/m³
Northwest Territories	OEL TWA	3.5 mg/m³
Ontario	OEL TWAEV	3 mg/m³ (inhalable particulate matter)
Prince Edward Island	OEL TWA	3 mg/m³ (inhalable particulate matter)
Québec	VEMP (OEL TWAEV)	3 mg/m³ (inhalable dust)
Saskatchewan	OEL STEL	7 mg/m³
Saskatchewan	OEL TWA	3.5 mg/m³
Yukon	OEL STEL	7 mg/m³
Yukon	OEL TWA	3.5 mg/m³

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Gas detectors should be used when toxic gases may be released.

Personal Protective Equipment: Not required under normal conditions of use. When handling damaged batteries: Gloves. Protective clothing. Protective goggles. Face shield. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosion-proof clothing.
Hand Protection:
Eye and Face Protection:
Skin and Body Protection:
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	:	Solid
Appearance	:	No data available
Odor	:	Odorless
Odor Threshold	:	No data available
pH	:	No data available
Evaporation Rate	:	No data available
Melting Point	:	No data available
Freezing Point	:	No data available
Boiling Point	:	No data available
Flash Point	:	No data available
Auto-ignition Temperature	:	130 °C (266 °F)
Decomposition Temperature	:	No data available
Flammability (solid, gas)	:	No data available
Lower Flammable Limit	:	No data available
Upper Flammable Limit	:	No data available
Vapor Pressure	:	No data available
Relative Vapor Density at 20°C	:	No data available
Relative Density	:	No data available
Specific Gravity	:	No data available
Solubility	:	Water: Insoluble
Partition Coefficient: N-Octanol/Water	:	No data available
Viscosity	:	No data available
Voltage	:	3.6 - 10.8 V
Watt Hour Rating	:	3.06 - 25.2 Wh per battery

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Batteries are non-reactive under normal conditions of storage and use. If the internal contents are leaked lithium ion batteries may react with incompatible materials such as water, acids, bases, oxidizers, and reducing agents and form corrosive, irritating, and harmful fumes and by-products. If the battery is damaged, the interaction of water or water vapor and exposed lithium hexafluorophosphate may result in the generation of hydrogen and hydrogen fluoride (HF) gas.

10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

10.4. Conditions to Avoid:

Do not heat, expose to fire, disassemble, short circuit, immerse in water, or abuse batteries.

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers. Water.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Hydrogen Fluoride, Carbon oxides, Lithium oxides, Metal oxides, Phosphorus oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Harmful if swallowed.

Acute Toxicity (Dermal): Not classified.

Acute Toxicity (Inhalation): Inhalation:dust,mist: Fatal if inhaled.

LD50 and LC50 Data:

Lithium Ion Battery in/with Clipper/Shaver/Trimmer/Nail Grinder/Massager	
ATE US/CA (oral)	≈1670 mg/kg body weight
ATE US/CA (dust, mist)	≈ 0.11 mg/l/4h

Skin Corrosion/Irritation: Causes skin irritation.

Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Suspected of causing cancer (Inhalation).

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs through prolonged or repeated exposure.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): Not classified.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: Exposure to materials housed in battery: May be fatal if inhaled in significant amounts.

Symptoms/Injuries After Skin Contact: Exposure to materials housed in battery: Causes skin irritation.

Symptoms/Injuries After Eye Contact: Exposure to materials housed in battery: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: Exposure to materials housed in battery: This material is harmful orally and can cause adverse health effects.

Chronic Symptoms: Exposure to materials housed in battery: Causes damage to organs through prolonged or repeated exposure. Carbon black is classified under the IARC as 2B, “possibly carcinogenic to humans” and under ACGIH as A3 “confirmed animal carcinogen with unknown relevance to humans”.

Other information: Exposure to the internal contents of the battery may result in:

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Graphite (7782-42-5)	
LD50 Oral Rat	> 2000 mg/kg
LC50 Inhalation Rat	> 2000 mg/m³ (Exposure time: 4 h)
Copper (7440-50-8)	
LC50 Inhalation Rat	> 5.11 mg/l/4h
Aluminum (7429-90-5)	
LC50 Inhalation Rat	> 0.888 mg/L/4h (No deaths)
Cobalt lithium manganese nickel oxide (182442-95-1)	
ATE US/CA (gas)	100.00 ppmV/4h
ATE US/CA (vapors)	0.50 mg/l/4h
ATE US/CA (dust, mist)	0.05 mg/l/4h
Carbon black (1333-86-4)	
LD50 Oral Rat	> 8000 mg/kg
LC50 Inhalation Rat	> 4.6 mg/m³ (Exposure time: 4 h)
Phosphate(1-), hexafluoro-, lithium (21324-40-3)	
LD50 Oral Rat	50 – 300 mg/kg
Carbon black (1333-86-4)	
IARC Group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Styrene-butadiene copolymer (9003-55-8)	
IARC Group	3

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Harmful to aquatic life with long lasting effects.

Graphite (7782-42-5)	
LC50 Fish 1	> 100 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
EC50 - Crustacea [1]	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])
ErC50 algae	> 100 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])
NOEC Chronic Fish	> 100 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC Chronic Crustacea	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])
NOEC Chronic Algae	> 100 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])

Copper (7440-50-8)	
LC50 Fish 1	0.0068 – 0.0156 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: EPA)
EC50 - Crustacea [1]	0.03 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	< 0.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)

Carbon black (1333-86-4)	
EC50 - Crustacea [1]	5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)

12.2. Persistence and Degradability

Lithium Ion Battery in/with Clipper/Shaver/Trimmer/Nail Grinder/Massager	
Persistence and Degradability	May cause long-term adverse effects in the environment.

Copper (7440-50-8)	
Persistence and Degradability	Not readily biodegradable.

12.3. Bioaccumulative Potential

Lithium Ion Battery in/with Clipper/Shaver/Trimmer/Nail Grinder/Massager	
Bioaccumulative Potential	Not established.

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Material should be recycled if possible. Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Additional Information: Batteries should be completely discharged prior to disposal and/or the terminals taped or capped to prevent short circuit.

Ecology - Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways. Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name : LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
LITHIUM ION BATTERIES PACKED WITH EQUIPMENT
Identification Number : UN3481 in accordance with SP188
ERG Number : 147

14.2. In Accordance with IMDG Code Amendment 42-24 (2024)

Proper Shipping Name : LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
LITHIUM ION BATTERIES PACKED WITH EQUIPMENT
Identification Number : UN3481 in accordance with SP188
Class : 9
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-I

14.3. In Accordance with IATA Dangerous Goods Regulations (DGR), Edition 67

Proper Shipping Name : LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
LITHIUM ION BATTERIES PACKED WITH EQUIPMENT

Identification Number : UN3481

ERG Code (IATA) : 12FZ

14.4. In Accordance with TDG

Proper Shipping Name : LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
LITHIUM ION BATTERIES PACKED WITH EQUIPMENT

Identification Number : UN3481

This battery has passed the test requirements according to the UN Manual of Tests and Criteria Part III, Subsection 38.3.

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Lithium Ion Battery in/with Clipper/Shaver/Trimmer/Nail Grinder/Massager	
SARA Section 311/312 Hazard Classes	Health hazard - Carcinogenicity Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Acute toxicity (any route of exposure) Health hazard - Serious eye damage or eye irritation Health hazard - Skin corrosion or Irritation

Graphite (7782-42-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Copper (7440-50-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm
SARA Section 313 - Emission Reporting	1 %

Aluminum (7429-90-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 % (dust or fume only)

1,1-Difluoroethylene polymer (24937-79-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Cobalt lithium manganese nickel oxide (182442-95-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance. S - S - indicates a substance that is identified in a final Significant New Use Rule. 5E - 5E - indicates a substance that is the subject of a TSCA section 5E order.

Carbon black (1333-86-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Styrene-butadiene copolymer (9003-55-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Phosphate(1-), hexafluoro-, lithium (21324-40-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.

15.2. US State Regulations

State or local regulations

California Proposition 65

WARNING: This product can expose you to Carbon black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Carbon black (1333-86-4)	X			

Graphite (7782-42-5)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Copper (7440-50-8)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Aluminum (7429-90-5)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Carbon black (1333-86-4)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

15.3. Canadian Regulations

Graphite (7782-42-5)
Listed on the Canadian DSL (Domestic Substances List)

Copper (7440-50-8)
Listed on the Canadian DSL (Domestic Substances List)

Aluminum (7429-90-5)
Listed on the Canadian DSL (Domestic Substances List)

1,1-Difluoroethylene polymer (24937-79-9)
Listed on the Canadian DSL (Domestic Substances List)

Cobalt lithium manganese nickel oxide (182442-95-1)
Listed on the Canadian DSL (Domestic Substances List)

Carbon black (1333-86-4)
Listed on the Canadian DSL (Domestic Substances List)

Styrene-butadiene copolymer (9003-55-8)
Listed on the Canadian DSL (Domestic Substances List)

Phosphate(1-), hexafluoro-, lithium (21324-40-3)
Listed on the Canadian NDSL (Non-Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 2.1 02/13/2026

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

H301	Toxic if swallowed
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H330	Fatal if inhaled
H350	May cause cancer
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects

Glossary of Data Source Abbreviations

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)
AU_WES: Australia WES
CHEMVIEW: ChemView (U.S. Environmental Protection Agency)
EC_RAR: European Commission Renewal Assessment Report
EC_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits
ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports
ECHA_API: European Chemicals Agency API
ECHA_RAC: ECHA Committee for Risk Assessment
EFSA: European Food Safety Authority
EPA: U.S. Environmental Protection Agency
EPA_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)
EPA_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)
EPA_HPV: High Production Volume Chemicals (U.S. Environmental Protection Agency)
EPA_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)
EU_CLH: European Union Harmonised Classification and Labelling Proposal
EU_RAR: European Union Risk Assessment Report
FOOD_JOURN: Food Research Journal (1956)
IARC: The International Agency for Research on Cancer
IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles
IUCLID: International Uniform Chemical Information Database
JAPAN_GHS: Japan GHS Basis for Classification Data
JP_J-CHECK: Japan J-Check
KR_NIER: South Korea National Institute of Environmental Research Evaluations
NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme
NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)
NLM_CIP: National Library of Medicine ChemID plus database
NLM_HSDB: National Library of Medicine Hazardous Substance Data Bank
NLM_PUBMED: National Library of Medicine PubMed database
NTP: National Toxicology Program
NZ_CCID: New Zealand Chemical Classification and Information Database
OECD_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)
OECD_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)
WHO: World Health Organization

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (Can, US)