Safety data sheet
Pool Blaster CATFISH

Version 2.0
Effective date: 2024-07-01

SECTION 1 — IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

1.1 Product identifier

Trade name: Pool Blaster Catfish
Product no: 20150CL 852506007836

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use: Designed for use under water to filter debris in a pool or spa.

1.3 Details of the Supplier of the safety data sheet:

Company:
Manufacture: Water Tech Corp.
10 Alvin Ct., suite 111
East Brunswick, NJ
08816 USA
www.Watertechcorp.com

Contact:
-01-732-967-9888 ext. 124

Emergency telephone number:
Emergency number: 800-535-5053
Outside the USA 1+352-232-3500

SECTION 2 — HAZARDS IDENTIFICATION

NOTE: User exposure to **battery ingredients;** Exposure is not anticipated or expected with normal prescribed use**.**

2.1 Classification of substance or mixture according to CLP no. 1272/2008
Swallowed 2; H302, Skin Irrit. 2; H312,H315,317, Eye irrit. 2 319, STOT SE 3; H335

2.2 Label elements CLP no. 1272/2008

Signal word:
Warning

Hazard statements:
H261 In contact with water releases flammable gas.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serios eye irritation.
H332 Harmful if inhaled.

Precautionary statements:
If contact with chemicals of battery
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves, protective clothing/eye protection/face protection.

Response:
P305 + P338 IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE/doctor/…. If you feel unwell.
P301 IF SWALLOWED: P311 Call POISON CENTER or Doctor/physician.

Storage:
P402 + P12 Store in dry place. Do not expose to temperature exceeding 35C.

Disposal:
P501 Dispose of contents/container in accordance with national regulations.
P502 Refer to manufacturers or suppliers' information on recovery or recycling.

Additional labeling:
P102 Keep out of reach of children.

2.3 Other Hazards
None known

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

3.2.1 Mixture For Lithium-ion cell

INGREDIENTS Common names	CAS No.	% by weight
Cobalt lithium manganese nickel oxide	**182442-95-1**	**39.60**
Aluminum	**7429-90-5**	**5.56**
Polyvinylidene fluoride resin	**24937-79-9**	**1.15**
Graphite	**7782-42-5**	**23.2**
Copper	**7440-50-8**	**9.8**
Rubber, styrene-butadiene, fume	**61789-96-6**	**1.78**
Polyethylene	**9002-88-4**	**0.06**
Phosphate(1-), hexafluorolithium	**21324-40-3**	**15.35**
1,3-Dioxolan-2-one	**96-49-1**	**2.72**

3.2.2 Mixture for unit

INGREDIENTS Common names	CAS No.	% by weight
1,3-propanesultone	1120-71-4	0.0532
2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol	79-94-7	6.38
4-Nonylphenol, branched and linear, ethoxylated	-	0-0.023
Lead	7439-92-1	0-0.005

3.3 Additional Information:
See full text of H-phrases in section 16. Occupational limits are listed in section 8, if available.

SECTION 4 — FIRST AID MEASURES

4.1 Description of first aid measures:

Inhalation: **EXPOSURE IS NOT EXPECTED UNDER NORMAL CONDITIONS OF USE**

However, if organic electrolyte is released due to abuse, overcharging or fire, remove exposed person to fresh air. In severe cases, obtain medical attention.

Skin contact: **EXPOSURE IS NOT EXPECTED UNDER NORMAL CONDITIONS OF USE**

However, if organic electrolyte contacts skin, wash skin thoroughly with water. Remove contaminant immediately. If irritation develops, seek medical attention as soon as possible.

Eye contact: **EXPOSURE IS NOT EXPECTED UNDER NORMAL CONDITIONS OF USE**

However, if organic electrolyte enters eyes, thoroughly flush eyes with lukewarm water for 20 minutes and obtain medical attention immediately,

Ingestion: **EXPOSURE IS NOT EXPECTED UNDER NORMAL CONDITIONS OF USE**

However, if internal battery components are ingested, rinse mouth out thoroughly and give plenty of water. Call The National Battery Ingestion Hotline (202-625-3333) 24 hours a day for procedure for treating ingestion of chemicals. Do not induce vomiting. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed:
In case of eye contact: burning and irritation will occur.
In case of skin irritation: Irritation may occur.
In case of ingestion: Acute symptoms will occur. Contact POISON CENTRE

4.3 Indication of any immediate medical attention and special treatment needed:
Treatment symptomatically. If in contact with the doctor, bring safety data sheets.

SECTION 5 — FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Dry chemical, foam, CO_2 extinguishers or generous amounts of water.

5.2 Special hazards arising from the substance or mixture:

5.3 Advise for firefighters:

Use a positive pressure self-contained breathing apparatus if batteries are involved in a fire. Full protective clothing is necessary. During water application, caution is advised as burning pieces of flammable particles may be ejected from the fire.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Damage or rupture to Batteries:
Damage or rupture to batteries that are NOT burning should be placed in a plastic bag or plastic lined metal container. Chemical resistant gloves must be worn to handle all battery components. Dispose of in accordance with local regulations.

6.2 Environmental precautions:
Prevent disposal in sewers or public waters.

6.3 Methods and material containment and clean up:
Small spills of battery chemical, use protective gloves, wipe up with absorbent material. (e.g. cloth). Rinse the site with water. Collect material and dispose of in accordance with section 13.

6.4 Reference to other sections:
See section 8, 13.

SECTION 7 — HANDLING AND STORAGE

7.1 Precautions for safe handling:
Use only the manufacturer's approved battery charger. Do not attempt to recharge a damaged machine.
Do not disassemble machine, battery compartment, battery or bypass any safety devise.

7.2 Condition for safe storage:
Product should be stored in a cool dry area away from excessive heat, combustible chemicals or materials. Excessive heat can reduce the battery service life**.**
Never store the machine in temperatures above 50° C or below – 32° C

7.3 Specific end use(s):
Use ONLY for applications described in section 1.2.

SECTION 8 — EXPOSURE / PERSONAL PROTECTION

Respiratory Protection:	NONE REQUIRED under normal operating conditions; see also Section 5 – Fire Fighting Measures.
Skin Protection:	NONE REQUIRED under normal operating conditions; see also Section 4 – First Aid Measures.
Eye Protection:	NONE REQUIRED under normal operating conditions; see also Section 4 – First Aid Measures.

8.1 Control Parameters:
Classification of Occupational Dangerous Substances Contained in the battery as per Directive

Substance	Chemical Symbol	% Content	Melt Point	Indication of Danger	Special Risk	Safety Advise
Lithium Cobalite	**LiCoO2**	**23~33**	**>500**		**H302 H312 H332**	**P260 P262 P280 P332 P313**
Carbon	**C**	**12~17**	**>1000**			
Organic Solvents	**EC**	**3**	**EC: 38*C**	**Flammable**	**H302 H312**	**P260 P262**
	DMC		**DMC: 4*c**		**H318**	**P280**
	DEC		**DEC: -43***		**H315 H317**	**P280**
	LiPF6		**N/A**	**Irritant Corrosive**	**H261**	**P260 P262 P280**

8.2 Exposure control:
Only if exposed to chemicals inside of the Lithium-ion battery cell.

Personal protective equipment:
Only CE marked personal protective equipment should be used.

Respiratory protection:
In case of insufficient ventilation, wear respiratory equipment.

Hand protection:
Wear protective gloves made of polyethylene, polypropylene, Viton EN 374.
if handling inert chemicals of Lithium-ion cell due to damage to the metal housing.

Eye protection:
Wear eye protection EN166

Body protection:
Wear appropriate protective clothing.

Measures to avoid environmental exposure:
Avoid discharge or disposal to public or private water or sewers.

SECTION 9 — PHYSICAL / CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Boiling Point:	N/A	**Boiling Point:**	>500°C Lithium Cobalite (LiCoO2)
Vapor Pressure:	N/A	**Vapor Pressure:**	>90°C
Specific Gravity:	N/A	**Specific Gravity:**	N/A
Solubility in Water:	N/A	**Solubility in Water:**	Yes

SECTION 10 — STABILITY & REACTIVITY

Reactivity in Water: N/A

Flash Point: N/A

Stability: Stable; see also Section 7 – Handling and Storage.

SECTION 11 — TOXICOLOGICAL INFORMATION

11.1 Information on toxicology effects:

NOTE: Under normal conditions this product does not present a health hazard. The following information is provided for organic electrolyte and the mixed metal oxide exposure that may occur due to crushing or breaking the machine or exposure to extreme conditions such as fire.

Threshold Limit Value: Exposure limit of LiCoO2 = 0.1mg/m3 (OSHA)

Acute toxicology: Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation Not classified

Respiratory or skin Sensitation: Not classified

Germ Cell: Not classified

Reproductive toxicity: Not classified

Specific target Organ toxicity Single exposure: Not classified

Specific target organ toxicity repeated exposure: Not classified

Aspiration hazard: Not classified

Additional information: In case of eye contact, severe burning may occur
In case of skin contact, irritation may occur.

Signs and Symptoms: None. (In fire or rupture of internally protected battery situations, refer to Sections 4,5 & 8.)

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicology Lithium-ion, marine pollutant
Exposure limit of $LiCoO_2$ = 0.1mg/m3 (OSHA)

12.2 Persistance and degradation: Product and contents are recyclable.

12.3 Bioaccumulitive data: No data

12.4 Mobility in soil: No data

12.5 Results of PBT and vPvB assessment: No CPSR are created

12.6 Other adverse effects: None known

NOTE: The chemicals noted in Section 2 are sealed inside the batteries and again sealed inside the watertight motor housing. Under normal use, the chemicals will not be released. It does not pose a physical or health risk to the users, see Section 13 for disposal.

Hazardous Decomposition Products: When properly used and disposed, the product does not cause a hazard to the environment.

SECTION 13 — DISPOSAL

13.1 Waste treatment methods:
Must be disposed of in accordance with local, state, or national regulations. The coding of waste stream is based on the application of the product by the consumer.

Contaminated packing: Packaging materials should be recycled in accordance with local, state, and national regulations.

NOTE: The product contains Lithium-ion batteries. The product should be disposed of in accordance with local and national regulations for products containing batteries.

1. The batteries should be fully discharged prior to disposal. In the event the batteries are removed, and the physical condition is not compromised, each terminal of the battery should be insulated and the battery be wrapped in plastic prior to disposal.
2. The user should NEVER attempt to incinerate the batteries.
3. Land Filling: Contact your local government for regulatory guidelines.

SECTION 14 —TRANSPORT INFORMATION

This report applies to by air and by land:

14.1 UN number:	**UN3481**
14.2 UN proper shipping name:	**Lithium-ion batteries contained in equipment**
14.3 Transport hazard class:	**Class 9, PI 967 II**
14.4 Packing Group:	(1) See 49 CFR 383.93 (b) (4): 49 CFR 383.5, definitions: Hazardous Materials; CFR 172.504 table 2 "class 9" (2) See 49 CFR 172.504 (f) additional placarding exceptions.
14.5 Environment Hazards:	**188,** 230, 310, 348, 957 **PI 967** Marine pollutant

Special Notes :

- Each battery pack contains 2, 3.7V 2.2Ah Lithium-ion cells encased in a sealed ABS plastic housing.
- The watt hours (Wh) for a tested battery pack: 16.28 Wh.

The Li-ion battery(cylindrical) contained in the Pool Blaster is tested according to the requirements of the test UN 38.3;
Li-ion battery(cylindrical) was protected to prevent short circuits. This includes protection against contact with conductive materials within the same packaging that could lead to short circuits.

Air Freight
UN Proper shipping name/Description (technical name): **Lithium ion batteries installed in equipment**
IATA Classification: UN3481, Lithium Ion Batteries Contained in Equipment, PI 967, Section II.
An airway bill is required for shipment; the following words must be included on the AWB:
"Nature and Quantity of Goods" box: "Lithium ion batteries in compliance with Section II of PI 967"

The packaging shall be adequate to avoid mechanical damage during transport, handling and stacking. The materials and pack design shall be chosen so as to prevent the development of unintentional electrical conduction, corrosion of the terminals and ingress of moisture.
The package must be handled with care and that a flammability hazard exists if the package is damaged; Each package must be labeled with a Li-ion battery(cylindrical) handling label or in addition to the **PI 967 II label.** With regard to transport, the following regulations are cited and considered:
- The International Civil Aviation Organization (ICAO) Technical Instructions.
- **The International Air Transport Association (IATA) Dangerous Goods Regulations**.
UN number of Li-ion battery(cylindrical): **UN3481**; Packing Instruction 967 Section II, appropriate of IATA DGR 65th (2024 edition) for transportation
Note: Battery weight in the equipment = 1x battery = 0.101 kg
- AIR SHIPMENT LABEL REQUIREMENT:

- GROUND TRANSPORT (USA)
- The battery pack contained in the equipment consists of 2, 3.7V, 2.2Ah Lithium-ion cells encased in a sealed ABS plastic housing.
- The watt hours (Wh) for a tested battery pack: 16.28 Wh.
- The Lithium-Ion battery pack contained with the equipment has been tested under the provisions of the UN Manual of Tests and Criteria, Part III, sub-section 38.3 and is classified as a non-dangerous good.
- Placarding (Class 9) is not required. (2). Consult local regulations when transporting inside or outside USA.

For lithium-ion batteries by SEA; provided that packaging is strong and prevents the products from short-circuit.
UN number of Li-ion battery(cylindrical): **UN3481**;
UN Proper shipping name/Description (technical name): **Lithium ion batteries installed in equipment**
UN Classification (Transport hazard class): Non dangerous; Marine polluant(Y/N): Y;

Special Provision: International maritime dangerous goods code (IMDG) **188,** 230, 310, 348, 957;
According to special provision 188 of IMDG (41-22), the goods are not subject to other provision of this code.
- The US Hazardous Materials Regulation (HMR) pursuant to a final rule issued by RSPA
- The Office of Hazardous Materials Safety within the US Department of Transportations' (DOT) Research and Special Programs Administration (RSPA)
All Li-ion battery(cylindrical) with the necessary testing requirements under the UN38.3 Manual of Tests and Criteria as referenced in the following transportation regulations.

1. UN recommendations on the Transport of Dangerous Goods Model Regulations.
2. U.S Department of Transportation of Dangerous Goods Model Regulations.
3. International Civil Aviation Organization (ICAO) Technical Instructions
4. International Maritime Dangerous Goods (IMDG) code

Li-ion battery(cylindrical) are exempted from these regulations since they meet all UN testing requirements and contain no more than 8 grams of equivalent lithium content (see 49 CFR 173.185 of the US HMR, IATA Dangerous Goods Regulations and Special Provision 188 of the IMDG Code and UN model Regulations.

The transport of rechargeable Lithium-ion batteries is regulated by various bodies (IATA, IMO, ADR, US-DOT) that follow the United Nations "Recommendations on the Transport of Dangerous Goods, Model Regulations, specifically applicable to the product:
ICAO Technical Instructions for Safety Transport of Dangerous Goods by Air.
IMO IMDG
IATA Dangerous Goods Regulations (DGR)
US Department of Transportation DOT (49 CFR 100-185), (USA)

OSHA hazard communication standard (29 CFR 1910.1200)
_____ Hazardous **__x__ Non-hazardous**

SECTION 15 — REGULATORY INFORMATION

15.1 Safety, health environmental regulations/legislation specific for substances and mixtures:

Chemicals (hazard information and packaging for supply) Regulations 2009.Control of substances hazardous of health regulations 2002 (as amended). Merchant Shipping (Dangerous goods and marine pollutants) Regulations 1997.Personal Protection Equipment Regulations (2002) Hazardous waste Regulations 2005(as amended). EC regulations 1907/2006 (REACH) Directive 2000/532/EC. Serveso directive: 96/82/EC. EU830/2015. CLP 1272/2008.

15.2 Chemical safety assessment: ROHS, WEEE

SECTION 16 — OTHER INFORMATION

Full text of H-phrases as mentioned in sections 2, 8:

H261 In contact with water releases flammable gas.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serios eye irritation.
H332 Harmful if inhaled.

Compliance: Batteries; In accordance with Heavy Metals Content in Batteries and Accumulators. Directive 2013/56/EU, and its amendment directives.

Test Items(s)	Limit	Unit	MDL	002
Lead (Pb)	-	%(w/w)	0.0010	ND
Cadmium (Cd)	0.002	%(w/w)	0.0001	ND
Mercury (Hg)	0.0005	%(w/w)	0.0001	ND

Additional information - DISCLAIMER

This SDS was prepared according to REACH regulation article 33.

This information is based on current knowledge and intended to describe the product for the purpose of safety, health and environmental purposes only. As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with the applicable regulations and laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.

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