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		First compilation
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	Article data sheet	
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SECTION 1. Identification of the arti	cle and of the company/undertaking	
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Product identifier		
Product name	BT740/1 Li 48 (44.4V(48VMAX) 4.0Ah 177.6Wh)	
Wattage	44.4V(48VMAX) 4.0Ah 177.6Wh	
Description	Lithium lon battery for Garden tools	
Details of the sumplice of the article date sheet		
Name	Stiga S n A	
Full address	Via Del Lavoro 6	
District and Country	31033 Castelfranco Veneto (TV) Italia	
	Tel +39 0423 450111	
	Emergenza - +44 800 680 0425	
	Access code: 334785	
	Fax +39 0423 4506/0	
e-mail address of the competent person		
responsible for the Article Data Sheet	info@stiga.com	

SECTION 2. Hazards identification

The following document is drawn up in compliance with the provisions of Article 33 of Reg. 1907/2006 (REACH).

The classification of Reg. (EC) 1272/2008 criteria can not be applied to the product in question because of the definition provided by REACH Reg.

The following document is adopted for proper risk management focused on the intrinsic dangers of batteries.

SECTION 3. Composition/information on ingredients

the product is an article according to Reg. No. 1907/2006 (REACH) and does not contain substances identified as SVHC in concentrations> 0.1% such as to be indicated in this subsection.

For information, the components of the battery are shown below:

Chemical name	Chemical formula	CAS No.	Wt %
Cobalt lithium manganese nickel oxide	-	182442-95-1	41
Graphite	С	7782-42-5	22
Lithium hexafluorophosphate(1-) (Electrolyte)	LiP F6	21324-40-3	16
Copper (sheet)	Cu	7440-50-8	11
Aluminum (sheet)	AI	7429-90-5	5
Polypropylene	Polypropylene	9003-07-0	1
Poly(vinylidene fluoride)	C2H2F2	24937-79-9	1
Carboxymethyl cellulose sodium salt (Adhesive)	C8H15NaO8	9004-32-4	1
1,3 Butadiene/styrene copolymers	C12H14	9003-55-8	1
carbon (Conducting agent)	C5	1333-86-4	1
Lead	Pb	7439-92-1	Not detected
Cadmium	Cd	7440-43-9	Not detected
Mercury	Hg	7439-97-6	Not detected

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SECTION 4. First aid measures

Main symptoms due to direct exposure to the product components:

in case of ingestion, due to caustic alkalis, severe irritation of the gastrointestinal tract can occur with potential injuries. If the vapors are inhaled, severe upper respiratory tract irritation may occur. In contact with mucous membranes, eyes or skin, severe irritation may occur with possible irreversible results.

Description of first aid measures

The following measures are to be considered if you come into direct contact with the battery components (due to breakage or misuse).

Inhalation: Bring to fresh air. Seek medical attention if discomfort persists.

Ingestion: Get medical advice. Do not administer anything orally if the subject is unconscious and without the authorization of a doctor.

Eyes and skin: Wash with plenty of water. In case of persistent irritation or skin rash, consult a doctor.

Indication of any immediate medical attention and special treatment needed

Treat the effects caused by the product symptomatically.

SECTION 5. Firefighting measures

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, powder and sand.

Hazardous decomposition products

COx and lithium oxides.

SECTION 6. Accidental release measures

This section relates to an accidental release of internal battery components due to failure or improper use.

Do not breathe fumes or touch liquids leaking from the battery. In case of contact with the internal components of the battery, refer to the first aid measures indicated in section 4.

Methods and material for containment and cleaning up

Confine using earth or inert material. Collect as much material as possible. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

SECTION 7. Handling and storage

Prevent short circuits by avoiding exposing the battery to a too hot environment (it could cause loss of performance and battery life).

Do not recharge or force discharge of the battery.

Store in a dry and well-ventilated place, away from direct sunlight.

Keep containers away from any incompatible materials, see section 10 for details.

SECTION 8. Exposure controls/personal protection

The exposure limit values to be adopted in the event of a leakage of the battery constituents are indicated below:

The product is an article according to Reg. No. 1907/2006 (REACH) and does not contain components with exposure limits that require to be reported in this section.

No protective measures are required for this product under normal conditions of use.

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The protective measures in case of risk are listed below:

Respiratory protection: In all fire conditions, use a self-contained breathing apparatus to avoid inhalation of gas or hazardous substances derived from the decomposition of the components.

Hand protection: in situations where tampering occurs with subsequent loss of internal battery components, use protective gloves of category K, L (butyl rubber).

Eye protection: Use protective goggles or face masks to avoid any contact with the product.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Solid; Battery In case of leaks, smells of medical ether Odour

SECTION 10. Stability and reactivity

Possibility of hazardous reactions.

If subjected to overheating it can explode. Avoid contact of the product with strong acids and bases. If there is a leak of the internal material, remove all sources of water.

Conditions to avoid.

Avoid all sources of ignition and heat, tampering, breakage, short circuit. Avoid storing the product in humid environments and in the presence of acidic or basic products.

SECTION 11. Toxicological information

Information not available (the product is an article).

SECTION 12. Ecological information

Information not available (the product is an article).

SECTION 13. Disposal considerations

Product residues are to be considered special hazardous waste. The dangerousness of the waste that partially contains this product must be evaluated according to the laws in force.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The lithium ion batteries covered by this safety data sheet have a nominal energy exceeding 100 Wh, therefore the shipment must be conducted in accordance with the ADR, IMDG and IATA-DGR provisions. In the specific case, the conditions of Section IA (PI 965) of IATA-DGR must be respected in the case of loose batteries and Section I (PI 966 and 967) of IATA-DGR in the case of batteries packed with / contained in the device. The people in charge of loading and unloading dangerous goods must have received appropriate training on the dangers and risks presented by the product and on any procedures to be adopted in the event of emergency situations.

UN number and proper shipping name

Depending on how they are packaged, lithium batteries must be assigned one of the following UN numbers:

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1) Loose batteries

ADR/ADN/RID:	UN 3480	LITHIUM ION BATTERIES
IMDG:	UN 3480	LITHIUM ION BATTERIES
IATA:	UN 3480	LITHIUM ION BATTERIES

2) Batteries contained in a device

ADR/ADN/RID:	UN 3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
IMDG:	UN 3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
IATA:	UN 3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT

3) Batteries packed with a device

ADR/ADN/RID:	UN 3481	LITHIUM ION BATTERIES PACKED WITH EQUIPMENT
IMDG:	UN 3481	LITHIUM ION BATTERIES PACKED WITH EQUIPMENT
IATA:	UN 3481	LITHIUM ION BATTERIES PACKED WITH EQUIPMENT

Transport hazard classes

ADR/ADN/RID:	9
IMDG:	9
IATA:	9

Packing group

ADR/ADN/RID:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable

Environmental hazards

ADR/ADN/RID:	NO
IMDG:	NO
Marine Pollutant:	NO
IATA:	NO

Special precautions for users

ADR/ADN/RID			
	UN3480	UN3481	
Classification code:	M4	M4	
Transport category:	2	2	
N. Kemler:	Not applicable	Not applicable	×.
Labels:	9A	9A	
Special provisions:	188 - 230 - 310 - 348 - 376 - 377 - 387 -	188 - 230 - 310 - 348 - 360 - 376 -	
	636	377 - 387 - 390 - 670	
Limited quantity:	0	0	
Exempt quantity:	E0	E0	
Tunnels code:	(E)	(E)	
			1

IMDG			
	UN3480	UN3481	
Labels:	9A	9A	
Special provisions:	188 - 230 - 310 - 348 - 376 - 377 - 384 -	188 - 230 - 310 - 348 - 360 - 376 -	9
	387	377 – 384 - 387	N.
Limited quantity:	0	0	
Exempt quantity:	E0	E0	
EmS:	F-A, S-I	F-A, S-I	
Stowage and handling	Category A, SW19	Category A, SW19	
Segregation	-	-	

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ΙΑΤΑ				
	UN3480	UN3481 contained in equipment	UN3481 packed with equipment	
Labels:	Miscellaneous Lithium batt	Miscellaneous Lithium batt	Miscellaneous Lithium batt	
Exempt quantity:	E0	E0	E0	
Limited quantity:	Forbidden	Forbidden	Forbidden	
Packaging instructions:	Passengers: Forbidden	Passengers: 967	Passengers: 966	
	Cargo: 965	Cargo: 967	Cargo: 966	
Section	Section IA	Section I	Section I	
Maximum quantity:	Passengers: Forbidden	Passengers: 5 kg	Passengers: 5 kg	
	Cargo: 35 kg	Cargo: 35 kg	Cargo: 35 kg	
Special instructions:	A88 – A99 – A154 – A164	A48 - A88 – A99 – A154	A88 – A99 – A154 – A164	
	– A183 – A201 – A206 –	– A164 – A181 – A185 –	– A181 – A185 – A206 –	
	A213 – A331 – A334 –	A206 – A213	A213	
	A802			

SECTION 15. Regulatory information

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH) None

SECTION 16. Other information

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).
- First issue of the document