Declaration

BARTEC GmbH · Max-Eyth-Straße 16 · 97980 Bad Mergentheim · Germany

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info@bartec.de
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Herewith we, BARTEC GmbH, declare

that we use type no. 17-A1Z0-0006 (customer replaceable) battery pack and the same configuration as internal (not customer replaceable) battery pack for Agile X IS series type numbers 17-A1Bx-xxxx/xxxxxxxx.
The battery pack includes four rechargeable Lithium Ion battery cells manufactured by Hitachi Maxell, Ltd., in 2p2s (p=parallel / s=serial) configuration.
Battery pack is manufactured and assembled by Joules Miles Co. Ltd.

Battery packs related to product:
Agile X IS series (type no.'s 17-A1Bx-xxxx/xxxxxxxx).

	Important note: **This battery is built in in every Agile X IS type 17-A1B4-xxxx/xxxxxxxx and is not replaceable by customer!**
Type number:	**17-A1Z0-0006 (internal)**
SAP:	---
	(Battery for ATEX, IECEx Zone 1 and UL Division 1 certified Agile X IS series)
Technical data:	Lithium Ion Battery 7.6 V / 4200 mAh / 31.92 Wh
Weight:	approx. 0.257 kg
Dimension:	158 x 109 x 7 mm
UN 38.3 Test Report:	Passed
Proper Shipping Name:	Lithium Ion Batteries
Class:	9
UN Classification 3481:	Shipping of Lithium ion batteries: "contained in equipment"

Type number:	**17-A1Z0-0006 (external)**
SAP:	407746
	(Battery for ATEX, IECEx Zone 1 and UL Division 1 certified Agile X IS series)
Technical data:	Lithium Ion Battery 7.6 V / 4200 mAh / 31.92 Wh
Weight:	approx. 0.257 kg
Dimension:	158 x 109 x 7 mm
UN 38.3 Test Report:	Passed
Proper Shipping Name:	Lithium Ion Batteries
Class:	9
UN Classification 3480:	Shipping of Lithium ion batteries (limited to a maximum of 30% SoC) Shipping of single batteries without equipment.
UN Classification 3481:	Shipping of Lithium ion batteries: "packed with equipment" or "contained in equipment"

BARTEC GmbH

Max-Eyth-Straße 16
97980 Bad Mergentheim

District court: Ulm HRB 723429
Tax No.: 52001/09044
VAT No.: DE 262 57 03 04

Bank details
Sparkasse Tauberfranken
SWIFT:
SOLADES1TBB
IBAN/EUR:
DE97 6735 2565 0000 0226 99
IBAN/USD:
DE23 6735 2565 0070 6247 05

Management Board
Dr. Martin Schefter (CEO)
Gerhard Bickmann (CFO)
Dr. Jörg Dalhöfer (COO)
Xavier Hamer (CCO)

Declaration

Related to this declaration is following documentation:

- **17-A1Z0-0006 (internal)**
  Joules Miles Co., Ltd. MATERIAL SAFETY DATA SHEET
  Date: 2018/03/27 / Version: C
  Model NO: IS-I-Bat-V1
- **17-A1Z0-0006 (external)**
  Joules Miles Co., Ltd. MATERIAL SAFETY DATA SHEET
  Date: 2021/02/20 / Version: D
  Model NO: 320000000008 / IS-E-Bat-Replaceable-V1

Bad Mergentheim, July, 14th 2021

BARTEC GmbH

i. A.

Sarah Springer

Product Manager Enterprise Mobility

Type number:

- 17-A1Z0-0006 (internal)
  Joules Miles Co., Ltd. MATERIAL SAFETY DATA SHEET Date: 2018/03/27 / Version: C / for Model NO: IS-I-Bat-V1

MATERIAL SAFETY DATA SHEET

Manufacturer Information：
Joules Miles Co.， Ltd.
10F, No. 1-26, Kuo-Chien Rd., Chien-Chen Dist.,Kaohsiung, Taiwan.
TEL： 886-7-8157868 FAX： 886-7-8154982 www.jms.com.tw
Date: 2018/03/27 Version: C

Product Information

Product Name：	Rechargeable Lithium Ion Battery Pack
Model NO：	IS-I-Bat-V1
Rating :	7.6V,4200mAh,31.92Wh

Hazards Identification

- Health Hazard Effect：
  The battery pack interior airtight chemical substance, if the artificial/machinery/electron improper use destroys, causes the chemical substance outside or the gas leaks causes the skin/eye damage and explodes .
- Environment Influence：
  Since a battery cell remains in the environment, do not throw out it into the environment.
- Physics/Chemical damage：-----
- Special damage：-----
- Cardinal Condition：
  Disgusting, vomit, the stupor, the skin fever scalds, the position feeling barrier.
- Article damage classification：-----

Composition / Information on Ingredients

English Name： Rechargeable Lithium Ion Battery Pack

Synonymous Name：

Hazardous Ingredients：

Chemical Name	CAS NO.	Concentration/ Concentration range	Classification and Hazard labeling
Lithium Cobaltic ($LiCoO_2$)	12191-79-3	20-40%	-
Iron	7439-89-6	15-25%	-
Aluminum	7429-90-5	2-6%	-
Graphite (Natural graphite) (Artificial graphite)	7482-42-5 7740-44-0	10-20%	-
Copper	7740-50-8	5-15%	Sensitization of the skin group No.2
Organic electrolyte	7429-90-5	10-20%	Inflammable liquid

Lithium equivalent content	2.52[g] for battery pack

First Aid Measures

Under normal conditions of use, the battery is hermetically sealed.

1. Ingestion：Swallowing a battery can be harmful Contents of an open battery can cause serious chemical burns of mouth, esophagus, and gastrointestinal tract. If battery or open battery is ingested, do not induce vomiting or give food or drink. Seek medical attention immediately.

2. Inhalation：Contents of an open battery can cause respiratory irritation. Inhalation of vapors may cause irritation of the upper respiratory tract and lungs. Provide fresh air and seek medical attention.

3. Skin Contact：Contents of an open battery can cause skin irritation and/or chemical burns. Remove contaminated clothing and wash skin with soap and water. If a chemical burn occurs or if irritation persists, seek medical attention.

4. Eye Contact：Contents of an open battery can cause severe irritation and chemical burns. Immediately flush eyes thoroughly with water for at least 15 minutes, lifting upper and lower lids, until no evidence of the chemical remains. Seek medical attention.

Fire Fighting Measures

- If fire or explosion occurs when battery are on charge， should shut off power to charger. In case of fire where lithium ion battery is present, flood the area with water. If any battery is burning, water may not extinguish them, but will cool the adjacent battery and control the spread of fire. CO_2， dry chemical, and foam extinguishers are preferred for small fires.

- extinguishers：
  water/CO_2/dry chemical/foam

Accidental Release Measures

- **personal protection**：
  1. Respiratory Protection： Not necessary under normal conditions.

  2. Eye Protection： Not necessary under normal conditions. Wear safety glasses with side shields if handling an open or leaking battery.

  3. Gloves： Not necessary under normal conditions. Use neoprene or natural rubber gloves if handling an open or leaking battery

- **Ventilation Requirements**： Not necessary under normal conditions
- Should depend on environmental protection stipulation recycle mode processing.

Handling and Storage

- Handling：
  Do not expose the battery to excessive physical shock or vibration. Short-circuiting should be avoided; however, accidental short-circuiting for a few seconds will not seriously affect the battery.
  Prolonged short circuits will cause the battery to rapidly lose energy, could generate enough heat to burn skin. Sources of short circuits include jumbled battery in bulk containers, coins, metal jewelry, metal covered tables, or metal belts used for assembly of battery in devices. To minimize risk of short-circuiting, the protective case supplied with the battery should be used to cover the terminals when transporting or storing the battery. Do not disassemble or deform the battery.

- Storage：

  Store in cool place (temperature: -20 ~ 35 degree C, humidity: 45 ~ 85%).

Exposure controls

- ENGINEERING CONTROLS：-----

Control parameter		
Common chemical name/ General name	TLV-TWA	BEI
Lithium Cobaltic ($LiCoO_2$)	0.02mg/ m^3 (as cobalt)	-----
Aluminum	10mg/ m^3 (metal coarse particulate) 5mg/ m^3 (inflammable powder) 5mg/ m^3 (weld fume)	-----
Carbon (Natural graphite) (Artificial graphite)	2mg/ m^3 (inhalant coarse particulate)	-----
Copper	0.2mg/ m^3 (fume) 1.0mg/ m^3 (a coarse particulate , mist)	-----
Organic electrolyte	-----	-----

Physical and Chemical Properties

Physical state	(Solid)	(Solubility in water)	/
Cell Color	(Metallic color)	(Explosion limit)	/
Odor	(Odorless)	(Auto flammability)	/
Flashpoint	/	(Melting Point)	$LiCoO_2$ about 1130 C
Boiling Point	/	(Freezing Point)	/

Stability and Reactivity

- Stability：
  Stable under normal use
- Reactivity：
  Avoid contact with water and acids.

Toxicological Information

Under normal conditions of use, the battery is toxicological sealed. So void to open and damage battery directly

Ecological Information

If the battery is scrapped, it should be selected and disposed by professional company

Disposal Considerations

Do not dispose of battery into environment or sewerage. It should be recycled and disposed basing on your local legislation and regulations.

Transportation Information

The rechargeable lithium Ion battery pack meet all requirements under UN Manual of Tests and Criteria Part III, subsection 38.3. The lithium battery pack comply with IATA DGR 59th edition lithium ion battery pack UN3480 and comply with Section IB of Packing Instruction of 965. Lithium battery label must be placed on the package when the statement is required.

Regulatory Information

(ACGIH)
(OSHA)
European Union (UN)
(ISO)

Other Information

- Reference : Maxell LI-ION CELL BATTERY MSDS
- Made by：Joules Miles Co.， Ltd.
  10F, No. 1-26, Kuo-Chien Rd., Chien-Chen Dist.,Kaohsiung, Taiwan.
  TEL： 886-7-8157868 FAX： 886-7-8154982 www.jms.com.tw

Note: The reference data provide from supplier.

Type number:

- 17-A1Z0-0006 (external)
  Joules Miles Co. Ltd.
  MATERIAL SAFETY DATA SHEET
  Date: 2021/02/20 / Version: D
  Model NO: 320000000008 / IS-E-Bat-Replaceable-V1

MATERIAL SAFETY DATA SHEET

Manufacturer Information：
Joules Miles Co., Ltd.
10F, No. 1-26, Kuo-Chien Rd., Chien-Chen Dist.,Kaohsiung, Taiwan.
TEL： 886-7-8157868 FAX： 886-7-8154982 www.jms.com.tw
Date: 2021/02/20 Version: D

Product Information

Product Name：	Rechargeable Lithium Ion Battery Pack
Model NO：	320000000008 / IS-E-BAT-REPLACEABLE-V1
Rating :	7.6V,4200mAh,31.92Wh

Hazards Identification

- Health Hazard Effect：
  The battery pack interior airtight chemical substance, if the artificial/machinery/electron improper use destroys, causes the chemical substance outside or the gas leaks causes the skin/eye damage and explodes .
- Environment Influence：
  Since a battery cell remains in the environment, do not throw out it into the environment.
- Physics/Chemical damage：-----
- Special damage：-----
- Cardinal Condition：
  Disgusting, vomit, the stupor, the skin fever scalds, the position feeling barrier.
- Article damage classification：-----

Composition / Information on Ingredients

English Name： Rechargeable Lithium Ion Battery Pack

Synonymous Name：

Hazardous Ingredients：

Chemical Name	CAS NO.	Concentration/ Concentration range
Lithium cobalt dioxide ($LiCoO_2$)	12190-79-3	Less than 41%
Electrolyte	21324-40-3 96-49-1 And others	Less than 16%
Graphite (C)	7782-42-5	Less than 20%
Aluminum (AI)	7429-90-5	Less than 22%
Copper、Nickel metal and inert materials	7440-50-8 and others	Remainder
Lead (Pb)	7439-92-1	Less than 0.004%
Mercury (Hg)	7439-97-6	Less than 0.0005%
Cadmium (Cd)	7440-43-9	Less than 0.0020%

Lithium equivalent content	2.52[g] for battery pack

First Aid Measures

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Fire Fighting Measures

- If fire or explosion occurs when battery are on charge， should shut off power to charger. In case of fire where lithium ion battery is present, flood the area with water. If any battery is burning, water may not extinguish them, but will cool the adjacent battery and control the spread of fire. CO_2， dry chemical, and foam extinguishers are preferred for small fires.

- extinguishers：
  water/CO_2/dry chemical/foam

Accidental Release Measures

- **personal protection**：
  1. Respiratory Protection： Not necessary under normal conditions.

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  3. Gloves： Not necessary under normal conditions. Use neoprene or natural rubber gloves if handling an open or leaking battery

- **Ventilation Requirements**： Not necessary under normal conditions

- Should depend on environmental protection stipulation recycle mode processing.

Handling and Storage

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  Do not expose the battery to excessive physical shock or vibration. Short-circuiting should be avoided; however, accidental short-circuiting for a few seconds will not seriously affect the battery.
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- Storage：

  Store in cool place (temperature: -20 ~ 35 degree C, humidity: 45 ~ 85%).

Exposure controls

- ENGINEERING CONTROLS：-----

Control parameter		
Common chemical name/ General name	TLV-TWA	BEI
Lithium Cobaltic ($LiCoO_2$)	0.02mg/ m^3 (as cobalt)	-----
Aluminum	10mg/ m^3 (metal coarse particulate) 5mg/ m^3 (inflammable powder) 5mg/ m^3 (weld fume)	-----
Carbon (Natural graphite) (Artificial graphite)	2mg/ m^3 (inhalant coarse particulate)	-----
Copper	0.2mg/ m^3 (fume) 1.0mg/ m^3 (a coarse particulate , mist)	-----
Organic electrolyte	-----	-----

Physical and Chemical Properties

Physical state	(Solid)	(Solubility in water)	/
Cell Color	(Metallic color)	(Explosion limit)	/
Odor	(Odorless)	(Auto flammability)	/
Flashpoint	/	(Melting Point)	$LiCoO_2$ about 1130 C
Boiling Point	/	(Freezing Point)	/

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Disposal Considerations

Do not dispose of battery into environment or sewerage. It should be recycled and disposed basing on your local legislation and regulations.

Transportation Information

The rechargeable lithium Ion battery pack meet all requirements under UN Manual of Tests and Criteria Part III, subsection 38.3. The lithium battery pack comply with IATA DGR 62nd edition lithium ion battery pack UN3480 and comply with Section IB of Packing Instruction of 965 and regulated for Transport under Special provision 188 of the International Maritime Dangerous Goods Code(IMDG). Lithium battery label must be placed on the package when the statement is required.

Regulatory Information

(ACGIH)
(OSHA)
European Union (UN)
(ISO)

Other Information

- Reference : Maxell LI-ION CELL BATTERY MSDS
- Made by：Joules Miles Co., Ltd.
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