

BATTERY - AM,JLR,X590,AB

PRODUCT INFORMATION SHEET



ISSUE DATE: 17.04.2018

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SDS Number:3352

VERSION: 1.0

1. SECTION 1: Identification

1.1. Identification

Trade name	Battery - AM,JLR,X590,AB
Product code	300072
SDS Number	3352

1.2. Recommended use and restrictions on use

Use of the substance/mixture	Public use
Recommended use	batteries and accumulators.

1.3. Supplier

Jaguar Land Rover Limited
Abbey Road
CV3 4LF Whitley, Coventry
T +44 (0)870 5000 500 (Mo-Thu 08:00-17:00 GMT/Fri 08:00-14:00 GMT)
sds-info@sds.jlr.com
Contact person : HSE@rle.de

1.4. Emergency telephone number

Emergency number	For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident: Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)
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2. SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

according to OSHA 29 CFR 1910.1200, paragraph (d)
Article; no classification obligation

2.2. Label elements

according to OSHA 29 CFR 1910.1200, paragraph (f)
No labelling obligation.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification	Battery may explode when subject to: excessive heat (above 85 °C), punctured and crushed.
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2.4. Unknown acute toxicity (GHS US)

Not applicable

3. SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments

Under normal conditions of use, the battery is hermetically sealed.
The product contains mercury with a concentration of < 0.0005 %.
The product contains cadmium with a concentration of < 0.002 %.
The product contains lead with a concentration of < 0.004 %.

4. SECTION 4: First-aid measures

4.1. Description of first-aid measures

General information

Not available.

Inhalation:

If battery is damaged: Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact:

If battery is damaged: Wash off with soap and water. Get medical attention if irritation develops and persists.

Eyes contact

If battery is damaged: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.

Ingestion

If battery is damaged: Drink plenty of water. Do not induce vomiting. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects (acute and delayed)

Not available.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

5. SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media

earth, sand, dry chemical powder or foam. Carbon dioxide.

Unsuitable extinguishing media

Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard

Battery may explode when subject to: excessive heat (above 85 °C), punctured and crushed.

Reactivity

The product is stable and non reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire

Evacuate area. Move containers from fire area if it can be done without personal risk.

Protection during firefighting

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Other information

In case of fire and/or explosion do not breathe fumes.

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Protective equipment

For personal protection, see section 8 of the SDS

Emergency procedures

Keep unnecessary personnel away.

6.2 Methods and material for containment and cleaning up

Keep combustibles (wood, paper, oil etc) away from spilled material. If possible try to contain floating material. Cover material with sodium carbonate (Na_2CO_3) or 1:1 mixture of soda ash and slaked lime. Collect and dispose of spillage as indicated in section 13. Clean surface thoroughly to remove residual contamination. Product decomposed by water must be neutralized.

7. SECTION 7: Handling and storage**7.1. Precautions for safe handling****General information**

The batteries should never be disassembled, or mechanically abused. Should a cell unintentionally crushed or opened, thus releasing its content, rubber gloves should be used to handle all cell components. The inhalation of any vapor that may be emitted should be avoided. As with any battery, short circuit causes heating. In addition, short circuit reduces the life of the cell and can lead to ignition of surrounding materials. Physical contact with the short-circuited battery can cause skin burns. Avoid reversing polarity of a cell within the battery pack. This can cause the cell to leak or to flame.

7.2. Conditions for safe storage, including any incompatibilities**General information**

Store, if possible, in a cool, well ventilated place away from incompatible materials.

Storage temperature

< 30 °C

8. SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Monitoring methods****Monitoring methods**

Follow standard monitoring procedures

8.2. Appropriate engineering controls

Good standard of general ventilation.

8.3. Individual protection measures/Personal protective equipment**Materials for protective clothing****Individual protection measures, such as personal protective equipment (PPE)****Eye protection**

If battery is damaged: Chemical goggles or face shield with safety glasses

Skin protection**Hand protection**

If battery is damaged: Protective gloves.

Respiratory protection

If battery is damaged: Wear respiratory protection.

Thermal hazard protection

Wear appropriate thermal protective clothing, when necessary.

Other information

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

9. SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state**

Solid

Appearance**Colour**

No data available

Odour

No data available

Odour threshold

No data available

pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Boiling range	No data available
Flash point	No data available
Relative evaporation rate (butylacetate=1)	No data available
Flammability (solid, gas)	Not available.
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Solubility	No data available
Log Pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

No additional information available.

10. SECTION 10: Stability and reactivity

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|--|---|
| 10.1. Reactivity | The product is stable and non reactive under normal conditions of use, storage and transport. |
| 10.2. Chemical stability | Stable under normal conditions. |
| 10.3. Possibility of hazardous reactions | No dangerous reactions known under normal conditions of use. |
| 10.4. Conditions to avoid | Prevent build-up of electrostatic charges (e.g. by grounding). Keep away from heat. |
| 10.5. Incompatible materials | Acids. Chlorine. Water. Moisture. Strong oxidizing agents. Powdered metals. |
| 10.6. Hazardous decomposition products | During fire, gases hazardous to health may be formed. |

11. SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	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

12. SECTION 12: Ecological information

12.1. Toxicity

No additional information available.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

No additional information available.

13. SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste)	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
EPA hazardous waste No.	

14. SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Transport document description (IMDG)	UN 3480 LITHIUM ION BATTERIES, 9
UN-No. (IMDG)	3480
Proper Shipping Name (IMDG)	LITHIUM ION BATTERIES
Class (IMDG)	9 - Miscellaneous dangerous substances and articles
Limited quantities (IMDG)	0
Marine pollutant	No

Air transport

Transport document description (IATA)	UN 3480 Lithium ion batteries, 9
UN-No. (IATA)	3480
Proper Shipping Name (IATA)	Lithium ion batteries
Class (IATA)	9 - Miscellaneous Dangerous Goods

15. SECTION 15: Regulatory information

15.1 US Federal regulations

No additional information available.

No additional information available.

Canada

No additional information available.

EU-Regulations

No additional information available.

National regulations

No additional information available.

15.2 US State regulations

No additional information available.

16. SECTION 16: Other information

Revision date

04/17/2018

Training advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute Toxicity Estimate.
BCF	Bioconcentration factor.
CAO	Cargo Aircraft only.
CAO	Cargo Aircraft Only.
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
DMEL	Derived Minimal Effect level.
vPvB	Very Persistent and Very Bioaccumulative.
EC50	Median effective concentration.
IARC	International Agency for Research on Cancer.
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods.
LC50	Median lethal concentration.
LD50	Median lethal dose.
LOAEL	Lowest Observed Adverse Effect Level.
NOAEC	No-Observed Adverse Effect Concentration.
NOAEL	No-Observed Adverse Effect Level.
NOEC	No-Observed Effect Concentration.
OECD	Organisation for Economic Co-operation and Development.
OEL	Occupational Exposure Limit.
PBT	Persistent Bioaccumulative Toxic.
PCA	Passenger and Cargo Aircraft.
PCA	PASSENGER AND CARGO AIRCRAFT.

SDS

Safety Data Sheet.

RID

Regulations concerning the International Carriage of Dangerous Goods by Rail.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this product information sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this product information sheet is not necessarily valid for the new made-up material

Attachment to the Material Safety Data Sheet

Involved Products



	Part Number	Container size
1	T4K11826	Part
2	T4K13636	Part
3	T4K17608	Part
4	T4K4888	Part
5	T4K9818	Part