Safety Data Sheet
According to Regulation (EC) No 1907/2006

Vented Lead-Acid Motorcycle Batteries Dry Charged Battery

Version 1.0
Issue date: 2/11/2017
Revision date: 2/11/2017

SDS Record Number: CSSS-TCO-010-125609

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name:	Vented Lead-Acid Motorcycle Batteries Dry Charged Battery
Additional identification:	High Performance Vented, Vented starting application battery
Identification of the product:	See section 3
Index Number:	Not available
REACH registration No.:	Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Not available.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative):	-
Supplier(Manufacturer):	BS Battery Sas
Address:	Europe: 23 bis rue Edouard Nieuport 92150 Suresnes – FRANCE
	International: BS Battery International Ltd 122 Austin Road, Tsimshatsui, Kowloon, Hong Kong
Contact person(E-mail):	-
Telephone:	(FRANCE) +33 6 16 75 04 59

1.4 Emergency telephone Number:

CHEMTREC(US, Canada) (800)-424-9300

CHEMTREC (International) 1(703)527-3887

Available outside office hours?	YES		NO	X

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
STOT RE 1	H372
Aquatic Acute 1	H400
Repr. 1A	H360FD
Aquatic Chronic 1	H410

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms:

Signal Word(S): Danger

Hazard Statement: H314: Causes severe skin burns and eye damage
H360FD: May damage fertility. May damage the unborn child. H362: May cause harm to breast-fed children.

Precautionary statement: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust/fume/ gas/mist/vapours/spray.
P263: Avoid contact during pregnancy/while nursing. P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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/doctor.
P363: Wash contaminated clothing before reuse. P405: Store locked up.
P501: Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

other hazards which do not result in: classification — Lead may be toxic to blood, kidneys, central nervous

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification
INORGANIC LEAD/LEAD COMPOUNDS	N/A	7439-92-1	231-100-4	87-92%	H362 H360FD
TIN (SN)	N/A	7440-31-5	231-141-8	<0.2%	Not classified
CALCIUM (CA)	N/A	7440-70-2	231-179-5	0.03-0.05%	H261
ALUMINUM (AL)	N/A	7429-90-5	231-072-3	<0.01%	H228(1) H261

CASE MATERIAL: ACRYLONITRILE BUTADINE STYRENE (ABS) OR POLYPROPYLENE (PP)	N/A	9003-56-9 9003-07-0	N/A	~10%	Not classified

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Remove to fresh air immediately. If breathing is difficult, give oxygen. Lead Compounds: Remove from exposure, gargle, wash nose and lips, consult physician.

4.1.2 In case of skin contact:

Flush with large amounts of water for at least 15 minutes, remove any contaminated clothing. If irritation develops seek medical attention. Lead Compounds: Wash with soap and water.

4.1.3 In case of eyes contact:

Flush immediately with water for 15 minutes, consult a physician. Lead Compounds: Flush immediately with water for 15 minutes, consult a physician.

4.1.4 In case of ingestion:

Do not induce vomiting, consult a physician immediately. Lead Compounds: Consult a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed:

Causes severe skin burns and eye damage. May damage fertility. May damage the unborn child. May cause harm to breast-fed children.

Symptoms/injuries after inhalation	:	In case of repeated or prolonged exposure : May cause respiratory irritation.
Symptoms/injuries after skin contact	:	Direct contact with internal components of a battery can be severely irritating to the skin and may result in redness, swelling, burns and severe skin damage. Skin contact may aggravate an existing dermatitis condition. Skin contact may aggravate dermatitis.
Symptoms/injuries after eye contact	:	Dust from this product may cause eyes irritation.
Symptoms/injuries after ingestion	:	Ingestion may cause nausea and vomiting. Abdominal pain. Diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Dry chemical, foam, CO_2.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the Sealed batteries can emit hydrogen only if over charged (float voltage> 2.41 VPC).

substance or mixture The gas enters the air through the vent caps. To ABS: Temperatures over 300℃ (572℉) may release combustible gases. To PP: Temperatures over 380℃ (716℉) may release combustible gases.

5.3 Advice for firefighters: Wear positive pressure self-contained breathing apparatus. Wear fully protective suit.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Use proper personal protective equipment as indicated in Section 8. Ensure adequate ventilation. Avoid contact with eyes. Wear protective equipment. Keep unprotected persons away.

6.1.2 For emergency responders: Wear positive pressure self-contained breathing apparatus if dust is generated.

6.2 Environmental Precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

6.3 Methods for Containment and Cleaning up: In case the release occurs, stop flow of material: contain/absorb small spills with dry sand, earth, and vermiculite. If possible, carefully neutralize spilled electrolyte with soda ash, sodium bicarbonate, lime, etc. Wear acid-resistant clothing, boots, gloves, and face shield. Do not allow discharge of unneutralized acid to sewer. Spent Batteries - send to secondary lead smelter for recycling. Follow applicable federal, state and local regulations Neutralize as in preceding step. Collect neutralized material in sealed container and handle as hazardous waste as applicable.

6.4 Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Ensure good ventilation/exhaustion at the workplace. Avoid contact with eyes. Keep ignition sources away - Do not smoke. Due to the battery's low internal resistance and high power density, high levels of short circuit current can be developed across the battery terminals. Do not rest tools or cables on the battery. Use insulated tools only. Follow all installation instructions and diagrams when installing or maintaining battery systems.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities: Store batteries in a cool, dry, well ventilated area that are separated from incompatible materials and any activities which may generate flames, sparks, or heat. Keep away from all metallic articles that could contact the negative and positive terminals on a battery and create a short circuit condition. Battery should be stored under roof for protection against adverse weather conditions. Store and handle only in areas with adequate water supply and spill control. Avoid damage to battery case.

7.3 Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Substance			Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period		
	EINECS No.	CAS No.	ppm	mg/ m3	ppm	mg/ m3	Notes
Tin compounds, inorganic, except SnH4, (as Sn)	231-141-8	7440-31-5 & others	-	2	-	4	-
Aluminium metal; total inhalable dust	231-072-3	7429-90-5	-	10	-	-	-
respirable dust			-	4	-	-	-
welding fume			-	5	-	-	-
Sulphuric acid	231-639-5	7664-93-9	-	1	-	-	-

Inorganic lead and its derivatives, like Pb (CAS#7439-92-1): LIMITS ADOPTED: VLA-ED: 0.15mg/m^3(Spain)

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: None needed under normal conditions. If battery case is damaged, use chemical goggles or face shield.

Hand protection: None needed under normal conditions. If battery case is damaged, use rubber or plastic acid-resistant gloves with elbow-length gauntlet.

Body protection: None needed under normal conditions. If battery case is damaged wear acid-resistant apron. Under severe exposure or emergency conditions, wear acid–resistant clothing and boots.

Respiratory protection: None required under normal conditions. When concentrations of sulfuric acid mist are known to exceed PEL, use NIOSH or MSHA-approved respiratory protection.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: Solid

Colour: Not available

Odour: Not available

Odour threshold: Not available

pH:	Not available
Melting point/range (℃):	326 ℃(CAS# 7439-92-1)
Boiling point/range (℃):	> 600 ℃(CAS# 7439-92-1)
Flash point (℃):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Non flammable(CAS# 7439-92-1)
Ignition temperature (℃):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20℃):	Not available
Vapour density:	Not available
Relative Density:	11.45(23.8 ℃) (CAS# 7439-92-1)
Bulk density (kg/m^3):	Not available
Water solubility (g/l):	185 mg/L(20 ℃) (CAS# 7439-92-1)
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not applicable
Molecular Weight:	Not applicable

9.2. Other information:

Fat solubility(solvent- oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. High temperature, Sparks and other sources of ignition. Avoid mixing acid with other chemicals.
10.5 Incompatible materials:	Potassium, carbides, sulfides, peroxides, phosphorus, sulfurs, ketone, ester, petrolatum. Reactive metals, strong bases, most organic compounds.
10.6 Hazardous decomposition products:	Sealed batteries can emit hydrogen only if over charged (float voltage> 2.41 VPC). The gas enters the air through the vent caps. To ABS: Temperatures over 300℃ (572℉) may release combustible gases. To PP: Temperatures over 380℃ (716℉) may release combustible gases.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

Lead (CAS: 7439-92-1):

LD50(Oral, Rat): > 2000 mg/kg bw

LD50(Dermal, Rat): > 2000 mg/kg bw

LC50(Inhalation, Rat): > 5.05 mg/L air,4H

Skin corrosion/Irritation: Causes severe skin burns and eye damage.

Serious eye damage/irritation: Causes severe eye damage.

Respiratory or skin sensitization: Not classified **Germ**

cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: May damage fertility. May damage the unborn child. May cause harm to breast-fed children.

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Section 12 Ecological information

12.1 Toxicity:

Lead (CAS: 7439-92-1):

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	1170 μg/L	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: Persistant.

12.5 Results of PBT&vPvB assessment: The PBT and vPvB criteria of Annex XIII to the Regulation does not apply to inorganic substances

12.6 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose of contents/container to comply with applicable local, national and international regulations.

Section 14 Transport informa

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated for transport	Not regulated for transport	Not regulated for transport
UN Proper shipping name	Not applicable	Not applicable	Not applicable

Transport hazard Class	No	No	No
Packaging group	Not applicable	Not applicable	Not applicable
Environmental hazards	No	No	No
Special precautions for user	No	No	No
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable	Not applicable	Not applicable

Section 15 Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Contains no substances with Annex XVII restrictions

Dry Charge Lead Battery is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other National regulations: Not applicable

15.2 Chemical Safety Assessment has been carried out? YES [ ] NO [X]

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.