

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Product name : Wet Flooded Lead-Acid Battery
 Product code : Automotive, Cargo, Marine, Leisure, Garden & Pro-Spec Series Batteries

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Automotive Electric Storage Battery

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

County Battery Services Ltd
 Unit F4 Field Industrial Estate, Lowmoor Road,
 Kirkby in Ashfield, Nottinghamshire, NG17 7LJ
 T +441623 757377 - F +441623 757347
 email: sales@countybattery.co.uk

1.4. Emergency telephone number

Emergency number : +44(0)1623757377 (08:30 – 17:30 Monday to Friday)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Inhalation:dust,mist) H332
 Skin Corr. 1A H314
 Repr. 1A H360Fd
 STOT RE 1 H372
 Aquatic Acute 1 H400
 Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Repr.Cat.1; R60
 Repr.Cat.1; R61
 Xn; R48/20/21
 C; R35
 N; R50/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H314 - Causes severe skin burns and eye damage
 H332 - Harmful if inhaled
 H360Fd - May damage fertility. Suspected of damaging the unborn child
 H372 - Causes damage to organs through prolonged or repeated exposure
 H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

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
 P264 - Wash ... thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P271 - Use only outdoors or in a well-ventilated area

2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|---|---|--|---|
| Lead | (CAS No) 7439-92-1 (EC no) 231-100-4 | 66 - 68 | Repr.Cat.1; R60 Repr.Cat.1; R61 Xn; R48/20/22 N; R50/53 |
| Sulfuric acid | (CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8 | 20 - 23 | C; R35 |
| Polypropylene substance with national workplace exposure limit(s) (LT, LV) | (CAS No) 9003-07-0 (EC no) 618-352-4 | 7 - 10 | Not classified |
| Antimony substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, ES, ET, FI, FR, GB, GR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SK, SL) | (CAS No) 7440-36-0 (EC no) 231-146-5 | 0.5 - 1.5 | Not classified |
| Name | Product identifier | Specific concentration limits | |
| Sulfuric acid | (CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8 | (15 =< C) C;R35 (5 =< C < 15) Xi;R36/38 | |
| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
| Lead | (CAS No) 7439-92-1 (EC no) 231-100-4 | 66 - 68 | Repr. 1A, H360 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) |
| Sulfuric acid | (CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8 | 20 - 23 | Skin Corr. 1A, H314 |
| Polypropylene substance with national workplace exposure limit(s) (LT, LV) | (CAS No) 9003-07-0 (EC no) 618-352-4 | 7 - 10 | Not classified |
| Antimony substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, ES, ET, FI, FR, GB, GR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SK, SL) | (CAS No) 7440-36-0 (EC no) 231-146-5 | 0.5 - 1.5 | Not classified |
| Name | Product identifier | Specific concentration limits | |
| Sulfuric acid | (CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8 | (15 =< C) Skin Corr. 1A, H314 (5 =< C < 15) Skin Irrit. 2, H315 (5 =< C < 15) Eye Irrit. 2, H319 | |

Full text of R-, H- and EUH-phrases: see section 16

Note: In normal usage there is no risk to people or the environment from handling and using this article. It is only in the exceptional case of an accident or severe damage that there may be minimal exposure to the constituent materials listed above.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If a battery ruptures, move to fresh air in case of accidental inhalation of mist. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
- First-aid measures after skin contact : Rinse immediately with plenty of water for 15 minutes. Remove contaminated clothing, including shoes, after flushing has begun. If a battery ruptures, do not rub or scratch exposed skin.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If battery ruptures, do not rub or scratch exposed eye.

First-aid measures after ingestion : If solution of a battery chemicals have been swallowed and the person is conscious, give one glass of water. Do NOT induce vomiting. Vomiting may occur spontaneously. Never give anything by mouth to an unconscious person. Get immediate medical attention.

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

Symptoms/injuries after inhalation : If a battery ruptures, may be harmful or fatal if inhaled in a confined area. May cause severe irritation and burns of the nose, throat and respiratory tract.

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 : If a battery ruptures, direct contact with the liquid or exposure to vapours or mists may cause tearing, redness, swelling, corneal damage and irreversible eye damage. May cause severe burns.

Symptoms/injuries after ingestion : Severe irritation or burns to the mouth, throat, oesophagus, and stomach. May be fatal if swallowed.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. If a battery ruptures, use dry chemical, soda ash, lime, sand or carbon dioxide.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Lead compounds and sulfuric acid fume may be released during a fire involving the product. Battery may rupture due to pressure buildup when exposed to excessive heat and may be result in the release of corrosive materials.

Reactivity : Stable under normal conditions.

5.3. Advice for firefighters

Protective equipment for firefighters : Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye/face protection.

Emergency procedures : Evacuate area.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye/face protection.

Emergency procedures : Evacuate unnecessary personnel.

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Small spills: collect all released material in a plastic lined metal container. . Take up liquid spill into absorbent material or Neutralize with sodium bicarbonate. Large spills: contain liquid using absorbent material, by digging trenches. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Protect from physical damage.

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------|--|
| Technical measures | : Provide local exhaust or general room ventilation. |
| Storage conditions | : Store in a dry, cool and well-ventilated place. Keep away from heat and direct sunlight. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Lead (7439-92-1) | | |
|------------------------------|---|---|
| Austria | MAK (mg/m ³) | 0.4 mg/m ³ |
| Bulgaria | OEL TWA (mg/m ³) | 0.05 mg/m ³ |
| Cyprus | OEL TWA (mg/m ³) | 0.15 mg/m ³ |
| France | VME (mg/m ³) | 0.1 mg/m ³ (restrictive limit) |
| Germany | TRGS 903 (BGW) | 400 µg/l (Medium: whole blood - Time: no restriction - Parameter: Lead (women <45 years)) |
| Gibraltar | OEL TWA (mg/m ³) | 0.15 mg/m ³ |
| Greece | OEL TWA (mg/m ³) | 0.15 mg/m ³ |
| Italy - Portugal - USA ACGIH | ACGIH TWA (mg/m ³) | 0.05 mg/m ³ |
| Italy | OEL TWA (mg/m ³) | 0.15 mg/m ³ |
| Latvia | OEL TWA (mg/m ³) | 0.005 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 100 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 0.050 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 50 µg/m ³ |
| Spain | VLA-ED (mg/m ³) | 0.15 mg/m ³ |
| Switzerland | VLE (mg/m ³) | 0.8 mg/m ³ |
| Switzerland | VME (mg/m ³) | 0.1 mg/m ³ |
| United Kingdom | WEL TWA (mg/m ³) | 0.15 mg/m ³ |
| United Kingdom | WEL STEL (mg/m ³) | 0.45 mg/m ³ |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 0.05 mg/m ³ |
| Denmark | Grænseværdie (langvarig) (mg/m ³) | 0.05 mg/m ³ |
| Finland | HTP-arvo (8h) (mg/m ³) | 0.1 mg/m ³ (all works) |
| Hungary | AK-érték | 0.15 mg/m ³ |
| Ireland | OEL (8 hours ref) (mg/m ³) | 0.15 mg/m ³ |
| Lithuania | IPRV (mg/m ³) | 0.07 mg/m ³ |
| Norway | Gjennomsnittsverdier (AN) (mg/m ³) | 0.05 mg/m ³ |
| Norway | Gjennomsnittsverdier (Korttidsverdi) (mg/m ³) | 0.15 mg/m ³ |
| Poland | NDS (mg/m ³) | 0.05 mg/m ³ |
| Romania | OEL TWA (mg/m ³) | 0.05 mg/m ³ |
| Romania | OEL STEL (mg/m ³) | 0.10 mg/m ³ |
| Slovakia | NPHV (priemerná) (mg/m ³) | 0.15 mg/m ³ |
| Sweden | nivågränsvärde (NVG) (mg/m ³) | 0.05 mg/m ³ |
| Canada (Quebec) | VEMP (mg/m ³) | 0.05 mg/m ³ |
| Portugal | OEL TWA (mg/m ³) | 0.05 mg/m ³ |
| Portugal | OEL chemical category (PT) | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans |

Antimony (7440-36-0)

| | | |
|------------------------------|----------------------------------|-----------------------|
| Austria | MAK (mg/m ³) | 5 mg/m ³ |
| Belgium | Limit value (mg/m ³) | 0.5 mg/m ³ |
| Bulgaria | OEL TWA (mg/m ³) | 0.5 mg/m ³ |
| France | VME (mg/m ³) | 0.5 mg/m ³ |
| Greece | OEL TWA (mg/m ³) | 0.5 mg/m ³ |
| Italy - Portugal - USA ACGIH | ACGIH TWA (mg/m ³) | 0.5 mg/m ³ |

| Antimony (7440-36-0) | | |
|-----------------------------|---|------------------------------------|
| Latvia | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 50 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 0.5 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 0.5 mg/m ³ |
| Spain | VLA-ED (mg/m ³) | 0.5 mg/m ³ |
| Switzerland | VME (mg/m ³) | 0.5 mg/m ³ |
| The Netherlands | MAC TGG 8H (mg/m ³) | 0.5 mg/m ³ |
| United Kingdom | WEL TWA (mg/m ³) | 0.5 mg/m ³ |
| United Kingdom | WEL STEL (mg/m ³) | 1.5 mg/m ³ (calculated) |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 0.5 mg/m ³ |
| Denmark | Grænseværdie (langvarig) (mg/m ³) | 0.5 mg/m ³ |
| Finland | HTP-arvo (8h) (mg/m ³) | 0.5 mg/m ³ |
| Hungary | AK-érték | 0.5 mg/m ³ |
| Hungary | CK-érték | 2 mg/m ³ |
| Ireland | OEL (8 hours ref) (mg/m ³) | 0.5 mg/m ³ |
| Lithuania | IPRV (mg/m ³) | 0.5 mg/m ³ |
| Norway | Gjennomsnittsverdier (AN) (mg/m ³) | 0.5 mg/m ³ |
| Norway | Gjennomsnittsverdier (Korttidsverdi) (mg/m ³) | 1.5 mg/m ³ |
| Poland | NDS (mg/m ³) | 0.5 mg/m ³ |
| Romania | OEL TWA (mg/m ³) | 0.20 mg/m ³ |
| Romania | OEL STEL (mg/m ³) | 0.50 mg/m ³ |
| Slovakia | NPHV (priemerná) (mg/m ³) | 0.5 mg/m ³ |
| Sweden | nivågränsvärde (NVG) (mg/m ³) | 0.25 mg/m ³ |
| Canada (Quebec) | VEMP (mg/m ³) | 0.5 mg/m ³ |
| Portugal | OEL TWA (mg/m ³) | 0.5 mg/m ³ |

| Polypropylene (9003-07-0) | | |
|----------------------------------|------------------------------|----------------------|
| Latvia | OEL TWA (mg/m ³) | 5 mg/m ³ |
| Lithuania | IPRV (mg/m ³) | 10 mg/m ³ |

| Sulfuric acid (7664-93-9) | | |
|----------------------------------|---|---|
| EU | IOELV TWA (mg/m ³) | 0.05 mg/m ³ |
| Austria | MAK (mg/m ³) | 0.2 mg/m ³ |
| Belgium | Limit value (mg/m ³) | 1 mg/m ³ |
| Belgium | Short time value (mg/m ³) | 3 mg/m ³ |
| Bulgaria | OEL TWA (mg/m ³) | 1.0 mg/m ³ |
| Cyprus | OEL TWA (mg/m ³) | 0.05 mg/m ³ |
| France | VLE (mg/m ³) | 3 mg/m ³ |
| France | VME (mg/m ³) | 0.05 mg/m ³ |
| Germany | TRGS 900 Occupational exposure limit value (mg/m ³) | 0.1 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Gibraltar | OEL TWA (mg/m ³) | 0.05 mg/m ³ (when selecting an appropriate exposure monitoring method, account should be taken of potential limitations and interferences that may arise in the presence of other sulphur compounds) |
| Greece | OEL TWA (mg/m ³) | 0.05 mg/m ³ |
| Italy - Portugal - USA ACGIH | ACGIH TWA (mg/m ³) | 0.2 mg/m ³ |
| Latvia | OEL TWA (mg/m ³) | 0.05 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 15 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 1 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 1 mg/m ³ |

| Sulfuric acid (7664-93-9) | | |
|---------------------------|--|--|
| Spain | VLA-ED (mg/m ³) | 0.05 mg/m ³ (indicative limit value; it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound; limitations and interferences can arise from other Sulfur compounds) |
| Switzerland | VLE (mg/m ³) | 0.1 mg/m ³ |
| Switzerland | VME (mg/m ³) | 0.1 mg/m ³ |
| The Netherlands | MAC TGG 8H (mg/m ³) | 0.05 mg/m ³ |
| United Kingdom | WEL TWA (mg/m ³) | 0.05 mg/m ³ |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 0.05 mg/m ³ (concentrated) |
| Denmark | Grænseværdie (langvarig) (mg/m ³) | 0.05 mg/m ³ (thoracic fraction) |
| Finland | HTP-arvo (8h) (mg/m ³) | 0.2 mg/m ³ |
| Finland | HTP-arvo (15 min) | 1 mg/m ³ |
| Hungary | AK-érték | 0.05 mg/m ³ |
| Hungary | CK-érték | 1 mg/m ³ |
| Ireland | OEL (8 hours ref) (mg/m ³) | 1 mg/m ³ |
| Lithuania | IPRV (mg/m ³) | 0.05 mg/m ³ |
| Lithuania | TPRV (mg/m ³) | 3 mg/m ³ |
| Malta | OEL TWA (mg/m ³) | 0.05 mg/m ³ (mist) |
| Norway | Gjennomsnittsverdier (AN) (mg/m ³) | 0.1 mg/m ³ |
| Norway | Gjennomsnittsverdier (Kortidsverdi) (mg/m ³) | 0.3 mg/m ³ |
| Poland | NDS (mg/m ³) | 0.05 mg/m ³ |
| Poland | NDSch (mg/m ³) | 3 mg/m ³ |
| Romania | OEL TWA (mg/m ³) | 0.05 mg/m ³ |
| Slovakia | NPHV (priemerná) (mg/m ³) | 0.1 mg/m ³ |
| Sweden | nivågränsvärde (NVG) (mg/m ³) | 0.1 mg/m ³ |
| Sweden | kortidsvärde (KTV) (mg/m ³) | 0.2 mg/m ³ |
| Canada (Quebec) | VECD (mg/m ³) | 3 mg/m ³ |
| Canada (Quebec) | VEMP (mg/m ³) | 1 mg/m ³ |
| Portugal | OEL TWA (mg/m ³) | 0.2 mg/m ³ (thoracic fraction) |
| Portugal | OEL chemical category (PT) | A2 - Suspected Human Carcinogen present in strong inorganic acid mixtures |

8.2. Exposure controls

Appropriate engineering controls

: Mechanical ventilation is recommended. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Safety glasses. Gloves. Insufficient ventilation: wear respiratory protection.



Hand protection

: Wear suitable gloves tested to EN374.

Eye protection

: Chemical goggles or face shield with safety glasses. DIN EN 166.

Skin and body protection

: Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of soap and water.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140 with Type A/P2 filter or better.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

: Liquid

Appearance

: Off-white cloudy liquid with solid object.

Colour

: No data available

odour

: No data available

| | |
|--|---------------------------------|
| Odour threshold | : No data available |
| pH | : < 1 (sulfuric acid) |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : 327.5 °C (Lead) |
| Freezing point | : No data available |
| Boiling point | : 1740 °C (Lead at 1013hPa) |
| Flash point | : Non-flammable |
| Self ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Vapour pressure at 50 °C | : 1.33 hPa (Lead at 373 °C) |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 11.34 g/m ³ (Lead) |
| Solubility | : Soluble in water. |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : Not explosive |
| Oxidising properties | : Not oxidizing |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable at normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Overcharging. Remove all sources of ignition. If battery ruptures, avoid contact with organic materials and alkaline materials. Mechanical impact.

10.5. Incompatible materials

If battery ruptures, avoid contact with organic materials and alkaline materials. If battery ruptures, avoid contact with organic materials and alkaline materials.

10.6. Hazardous decomposition products

Lead compounds and sulfuric acid fumes may be released during a fire involving the product.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

Antimony (7440-36-0)

| | |
|---------------|----------------|
| LD50 oral rat | 7 g/kg |
| ATE (oral) | 7000.000 mg/kg |

Sulfuric acid (7664-93-9)

| | |
|----------------------------|--|
| LD50 oral rat | 2140 mg/kg |
| LC50 inhalation rat (mg/l) | 510 mg/m ³ (Exposure time: 2 h) |
| LC50 inhalation rat (ppm) | 347 ppm (Exposure time: 1 h) |

Skin corrosion/irritation : Causes severe skin burns and eye damage.
 pH: < 1 (sulfuric acid)

| | |
|--|---|
| Serious eye damage/irritation | : Eye damage, category 1, implicit pH: < 1 (sulfuric acid) |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : May damage fertility. Suspected of damaging the unborn child. |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Causes damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

Lead (7439-92-1)

| | |
|----------------|---|
| LC50 fishes 1 | 0.44 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static]) |
| EC50 Daphnia 1 | 600 µg/l (Exposure time: 48 h - Species: water flea) |
| LC50 fish 2 | 1.17 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |

Sulfuric acid (7664-93-9)

| | |
|----------------|--|
| LC50 fishes 1 | > 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static]) |
| EC50 Daphnia 1 | 29 mg/l (Exposure time: 24 h - Species: Daphnia magna) |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Sulfuric acid (7664-93-9)

| | |
|------------|----------------------|
| BCF fish 1 | (no bioaccumulation) |
|------------|----------------------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Lead-Acid Batteries

| |
|------------------------|
| PBT: not yet assessed |
| vPvB: not yet assessed |

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--------------------------------|---|
| Regional legislation (waste) | : Dispose of contents/container to comply with applicable local, national and international regulations. |
| Waste treatment methods | : Recycling the product is recommended. Waste must be disposed of in accordance with federal, state, and local environmental control regulations. |
| Waste disposal recommendations | : Consult the appropriate local waste disposal expert about waste disposal. Consult the manufacturer or supplier for information regarding recovery and recycling of the product. Since emptied containers retain product residue, follow label warnings even after container is emptied. |

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

| | |
|--------------|--------|
| UN-No | : 2794 |
| UN-No.(IATA) | : 2794 |

14.2. UN proper shipping name

| | |
|--------------------------------|--|
| Proper shipping name | : BATTERIES, WET, FILLED WITH ACID |
| Transport document description | : UN 2794 BATTERIES, WET, FILLED WITH ACID, 8, (E) |

14.3. Transport hazard class(es)

Class (UN) : 8
 Class (IATA) : 8 - Corrosives
 Hazard labels (UN) : 8



14.4. Packing group

Not applicable

14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80
 Classification code (UN) : C11
 Orange plates :



Special provision (ADR) : 295, 598
 Transport category (ADR) : 3
 Tunnel restriction code : E
 Limited quantities (ADR) : 1L
 Excepted quantities (ADR) : E0
 EAC code : 2R

14.6.2. Transport by sea

Transport regulations (IMDG) : Subject to the provisions
 Limited quantities (IMDG) : 1L
 EmS-No. : F-A, S-B
 Special Provision : 295

14.6.3. Air transport

Transport regulations (ICAO) : Subject to the provisions
 Instruction "cargo" (ICAO) : 870
 Instruction "passenger" (ICAO) : 870
 Instruction "passenger" - Limited quantities (ICAO) : Forbidden

14.6.4. Inland Waterway (ADN)

Transport regulations (ADN) : Subject to the provisions
 Dangers (ADN) : Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases::

| | |
|-------------------------------------|---|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — AcuteHazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Repr. 1A | Reproductive toxicity, Category 1A |
| Repr. 1A | Reproductive toxicity, Category 1A |
| Skin Corr. 1A | skin corrosion/irritation Category 1A |
| STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |
| H314 | Causes severe skin burns and eye damage |
| H332 | Harmful if inhaled |
| H360 | May damage fertility or the unborn child |
| H360Fd | May damage fertility. Suspected of damaging the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| R35 | Causes severe burns |
| R48/20/21 | Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin |
| R48/20/22 | Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R60 | May impair fertility |
| R61 | May cause harm to the unborn child |
| C | Corrosive |
| N | Dangerous for the environment |
| Xn | Harmful |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product