

## SAFETY DATA SHEET

# Lead Acid Battery

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

## Trade name

Lead Acid Battery

## Product no.

88865254

## REACH registration number

01-2119458838-20-XXXX

## Other means of identification

Index No.: 016-020-00-8

EC No.: 231-639-5

CAS No.: 7664-93-9

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

## Relevant identified uses of the substance or mixture

Battery Acid

## Uses advised against

The product may only be used in accordance with the area of application specified above. If, nonetheless, the product is used outside the specified scope, please contact the supplier.

**1.3. Details of the supplier of the safety data sheet**

## Company and address

**Klintberg & Way Parts AB**

Haukadalsgatan 5

164 40 KISTA

SWEDEN

+46 (0)8 6808800

www.kwparts.com

## E-mail

info@kwparts.com

## SDS date

2021-05-18

## SDS Version

1.0

**1.4. Emergency telephone number**

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Skin Corr. 1A; H314, Causes severe skin burns and eye damage.

**2.2. Label elements**

## Hazard pictogram(s)



**Signal word**

Danger

**Hazard statement(s)**

Causes severe skin burns and eye damage.

**Safety statement(s)**

**General**

-

**Prevention**

P260, Do not breathe vapour / mist.

P280, Wear face shield / protective gloves / protective clothing.

**Response**

P303+P361+P353, IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310, Immediately call a POISON CENTER / doctor.

**Storage**

-

**Disposal**

-

**Hazardous substances**

sulphuric acid ... %

**2.3. Other hazards**

**Additional labelling**

Not applicable

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Product/substance	Identifiers	% w/w	Classification	Note
sulphuric acid ... %	CAS No.: 7664-93-9 EC No.: 231-639-5 REACH: 01-2119458838-20-XXXX Index No.: 016-020-00-8	<100%	Skin Corr. 1A, H314 (SCL: 15.00 %)	[1]

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

[1] European occupational exposure limit

Used battery may also contain lead contaminated acid. Lead sulfate is often seen in the plates/electrodes of car batteries, as it is formed when the battery is discharged. When the battery is recharged, then the lead sulfate is transformed back to metallic lead and sulfuric acid on the negative terminal or lead dioxide and sulfuric acid on the positive terminal.

Lead sulphate is classified as Acute Tox. 4; H302 H332 Repr. 1A; H360 STOT RE 2; H373 Aquatic Chronic 1; H410.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

### General information

In case of uncertainty on how to treat an exposed person, call the National Poisons Information Service immediately.

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

### Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.

### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Always wear gloves and protective clothing when in contact with chemical substances.

Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

### 6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

A risk assessment of the handling shall always be prepared based on the specific conditions prevailing at the workplace. The risk assessment shall be used as basis for preparing appropriate instructions for the safe handling of the product.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Keep only in original packaging.

#### Storage temperature

Dry, cool and well ventilated

#### Incompatible materials

Metal

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

—  
sulphuric acid ... %

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 0,05 (Mist) (Thoraic fraction)

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020)

#### DNEL

Product/substance	sulphuric acid ... %
DNEL	0,05 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	sulphuric acid ... %
DNEL	0,1 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Short term – Local effects

## PNEC

Product/substance	sulphuric acid ... %
PNEC	0,003 mg/L
Route of exposure	Freshwater
Duration of Exposure	Continuous

Product/substance	sulphuric acid ... %
PNEC	0 mg/L
Route of exposure	Marine water
Duration of Exposure	Continuous

Product/substance	sulphuric acid ... %
PNEC	
Route of exposure	
Duration of Exposure	

Product/substance	sulphuric acid ... %
PNEC	8,8 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	Continuous

Product/substance	sulphuric acid ... %
PNEC	0,002 mg/kg dw
Route of exposure	Freshwater sediment
Duration of Exposure	Continuous

Product/substance	sulphuric acid ... %
PNEC	0,002 mg/kg dw
Route of exposure	Marine water sediment
Duration of Exposure	Continuous

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

In case of simultaneous exposure to several air pollutants, their combined effects shall be considered. In assessing exposure conditions, the body weight and absorption of certain substances through the skin shall be taken into account in addition to the concentration of air pollutants in inhaled air. The person who plans and carries out the air pollution measurement shall have sufficient knowledge to do so. Measurements shall be taken using appropriate methods and equipment. Exposure measurements relate to conditions during normal operation. Where necessary, they shall also highlight the exposure under other conditions. Exposure measurements shall be taken in the breathing zone on a sufficient number of persons to make it possible to assess the exposure of all exposed persons.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above).

Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended.

Ensure emergency eyewash and -showers are clearly marked.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed

thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure


Keep damming materials near the workplace. If possible, collect spillage during work.

#### Individual protection measures, such as personal protective equipment


##### Generally

Use only CE marked protective equipment.


##### Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
-	Full mask	E		EN136	


##### Skin protection

Work situation	Recommended	Type/Category	Standards	
	Använd skyddsskor eller skyddskläder, t.ex. gummi			

##### Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	Viton	> 0,3 mm	> 480	EN 374	

##### Eye protection

Work situation	Type	Standards	
	Face shield	EN166	

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Transparent

#### Odour / Odour threshold

Sharp/pungent

#### pH

Testing not relevant or not possible due to nature of the product.

#### Density (g/cm<sup>3</sup>)

Testing not relevant or not possible due to nature of the product.

#### Kinematic viscosity

Testing not relevant or not possible due to nature of the product.

#### Particle characteristics

Does not apply to liquids.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to nature of the product.

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

**Boiling point (°C)**

Testing not relevant or not possible due to nature of the product.

**Vapour pressure**

Testing not relevant or not possible due to nature of the product.

**Relative vapour density**

Testing not relevant or not possible due to nature of the product.

**Decomposition temperature (°C)**

Testing not relevant or not possible due to nature of the product.

**Data on fire and explosion hazards**

**Flash point (°C)**

Testing not relevant or not possible due to nature of the product.

**Ignition (°C)**

Testing not relevant or not possible due to nature of the product.

**Auto flammability (°C)**

Testing not relevant or not possible due to nature of the product.

**Lower and upper explosion limit (% v/v)**

Testing not relevant or not possible due to nature of the product.

**Solubility**

**Solubility in water**

Testing not relevant or not possible due to nature of the product.

**n-octanol/water coefficient**

Testing not relevant or not possible due to nature of the product.

**Solubility in fat (g/L)**

Testing not relevant or not possible due to nature of the product.

**9.2. Other information**

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

No special

**10.4. Conditions to avoid**

No special

**10.5. Incompatible materials**

Metal

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation**

Causes severe skin burns and eye damage.

**Serious eye damage/irritation**

Causes severe skin burns and eye damage.

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

**Skin sensitisation**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2 Information on other hazards

#### Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

#### Endocrine disrupting properties

No special

#### Other information

The assessment of the properties of the constituents is based primarily on information in the ECHA database of registered substances, and the classification and labelling register.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Endocrine disrupting properties

No special

### 12.7. Other adverse effects

The assessment of the properties of the constituents is based primarily on information in the ECHA database of registered substances, and the classification and labelling register.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

Avoid discharge to lakes, streams, sewers, etc.

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

20 01 14\* Acids

#### Specific labelling



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Before handling waste, see Section 8, Exposure controls/personal protection. Contamination of the product with hazardous substances during use cannot be ruled out and therefore the properties of the waste do not fully correspond to those of the original product. It is therefore always the user's responsibility to classify the waste. Hazardous waste shall be transported to an approved waste facility by an authorised carrier.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

#### 14.1 - 14.4

This product is within scope of the regulations of transport of dangerous goods.

#### ADR/RID

UN- or ID number	UN proper shipping name	Labels	PG	Tunnel restriction code
1830	SULPHURIC ACID with more than 51% acid	8	II	2 (E)

#### IMDG

UN- or ID number	UN proper shipping name	Labels	PG	EmS
1830	SULPHURIC ACID with more than 51% acid	8	II	F-A, S-B

#### MARINE POLLUTANT

No

#### IATA

UN- or ID number	UN proper shipping name	Labels	PG
1830	SULPHURIC ACID with more than 51% acid	8	II

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available

### SECTION 15: Regulatory information

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

##### Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

##### Demands for specific education

No specific requirements

##### SEVESO - Categories / dangerous substances

Not applicable

##### Regulation on drug precursors

sulphuric acid ... % is included (Category 3)

##### Additional information

Not applicable

##### Sources

12. The employer is obliged to continuously keep abreast of the current regulations pertaining to the activity in question.

The Management of Health and Safety at Work Regulations 1999

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Council Regulation (EC) No 273/2004 on drug precursors.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H314, Causes severe skin burns and eye damage.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit.

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVCB = Complex hydrocarbon substance

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The safety data sheet is validated by

Future Competence Sweden AB

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en