



# HARRIS FILTERS ACID REDUCER

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance/preparation and of the company

Product Name: Acid Reducer

Company Identification: Harris Filters  
42 & 43 Zoar Street  
Lower Gornal  
Dudley  
West Midlands  
DY3 2PA, UK  
Tel: 01384 253073

### 2. Composition/Information on ingredients

Substance Name: Calcium Carbonate, fine powder.  
Hazardous components: no hazardous ingredients.

Name	CAS No.	EC No.
Limestone	1317-65-3	215-279-6, >=85-<100%

### 3. Hazard Identification

Classification (Regulation (EC) No 1272/2008): Not a hazardous substance

Classification (67/548/EEC, 1999/45/EC): Not a hazardous substance

Labelling (Regulation (EC) No 1272/2008): Not a hazardous substance

Labelling (EC Directives 1999/45/EC): This product does not need to be labelled in accordance with EC directives or respective national laws.

### 4. First Aid Measures

Inhalation: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist seek medical attention..

Ingestion: Wash mouth with water and drink afterwards with plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

Eye Contact: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

Skin Contact: Remove contaminated clothing and shoes immediately. Wash with plenty of water and soap.

Most important symptoms and effects, both acute and delayed:

No further relevant information

Indication of any immediate medical attention and special treatment needed:

No further relevant information

## 5. Fire Fighting Measures

Fire extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment..

Special hazards from the mixture No hazardous combustion products are known.

Advice for firefighters: Wear the self-contained breathing apparatus. Standard procedure for chemical fires

## 6. Accidental Release Measures

Personal Precautions: Avoid dust formation.

Environmental Precautions: No special environmental precautions required.

Methods for Cleaning: Sweep up and shovel. Keep in suitable closed containers for disposal.

## 7. Handling & Storage

Handling: For personal protection see section 8. No special handling advice required. Avoid dust formation. Provide appropriate dust exhaust ventilation at places where dust is formed. General industrial hygiene practice applies.

Storage: Keep container tightly closed in a dry and well-ventilated place. Do not store near acids. Contains no combustible solids. No product decomposition if stored and applied as directed.

## 8. Exposure Controls/Personal Protection

Control parameters: Limestone CAS No: 1317-65-3

Exposure Controls: Handle in accordance with good industrial hygiene and safety procedures. Accurately wash the hands with soap and water before meals. Ensure adequate ventilation.

Hand protection: For long or repeated contact use protective gloves.

Eye protection safety glasses (goggles).

Skin and body protection Protective suit.

Respiratory protection Maintain adequate ventilation. Half mask with a particle filter P2 (EN 143) are recommended.

## 9. Physical & Chemical Properties

Physical and chemical properties	Value
Appearance	Powder
Colour	White
Odour	Characteristic

pH	8.5-9.5, concentration 100g/l (20C) Method: DIN ISO 787/9
Melting point/range	>800C. Decomposition below the melting point.
Initial boiling point and boiling range	Decomposition below the melting point
Flash point	Does not flash
Evaporation rate	not available
Flammability (solid, gas)	This product is not flammable
Vapour pressure	not applicable
Density	2.6 – 2.8 g/cm <sup>3</sup> . Method DIIN ISO 787/10
Solubility in water	0.014 g/l (20C, 1.013 hPa) 0.018 g/l (75C, 1.013 hPa)
Partition coefficient: n-octanol/water	not applicable
Auto-ignition temperature	not applicable
Auto ignition temperature	not applicable
Thermal decomposition	>600C
Explosive properties	not explosive

## 10. Stability & Reactivity

Reactivity	Stable under recommended storage conditions..
Chemical stability	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	No decomposition if used as directed. Reacts with acids. It forms Carbon Dioxide (CO <sub>2</sub> ). This displaces the oxygen in the air in closed spaces (danger of suffocation).
Conditions to avoid	No data available.
Incompatible materials	No data available
Hazardous decomposition products	Carbon Dioxide (CO <sub>2</sub> )

## 11. Toxicological Information

### Product information

Acute toxicity – Acute oral toxicity, Limestone: LD<sub>50</sub> Oral (rat):>5.000 mg/Kg.

Irritation – this product is not considered as being a skin irritant.

Eye Irritation – this product is not considered as being an eye irritant.

Respiratory/Skin sensation – no data available

Mutagenic effects – no data available

Carcinogenicity – no data available

Reproductive effects – no data available

STOT single exposure - no data available

STOT repeated exposure - no data available

Aspiration toxicity - no data available

Further information - no data available

## 12. Ecological Information

Toxicity to fish	LC50	96 hrs	>10000	Mg/l	Oncorhynchus mykiss
Toxicity to daphnia	EC50	48 hrs	>1000	Mg/l	Daphnia magna
Toxicity to algae	EC50	72 hrs	>200	Mg/l	Desmodesmus subspicatus

Persistence and degradability: not applicable

Bioaccumulative potential: not applicable

Mobility in soil: no data available

Results of PBT and vPvB assessment: The mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). The mixture contains no substance considered to be verypersistent nor very bioaccumulating (vPvB).

Other adverse effects:

In solid state these minerals are a major part of the rocks on the Earth's surface. They are dissolved in a natural state and indispensable part of the natural waters. These minerals are not biodegradable. Negative effects on the environment should therefore be excluded. Restrictions may be indicated that concentrated suspensions of these minerals in natural waters may have unfavourable effect on water organisms.

## 13. Disposal Consideration

Offer surplus and non-recyclable solutions to a licensed disposal company.

## 14. Transport Information

The product is not classified as dangerous (nor regulated) for transport.

Annex II of MARPOL 73/78 and the IBC code dangerous goods – not applicable for the product as supplied.

## 15. Regulatory Information

Seveso II-Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major hazards involving dangerous substances: NOT APPLICABLE.

Seveso III-Directive 2012/18/EC of the European Parliament and of the Council on the control of major hazards involving dangerous substances: NOT APPLICABLE.

Harris Filters has compiled the information contained in this data sheet to the best of its own knowledge and of available reliable data.

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