



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

· 1.1 Product identifier

· **Trade name:** Vending descaler powder

· **Article number:**

32541
32539
32522

· **CAS Number:**

5329-14-6

· **EC number:**

226-218-8

· **Index number:**

016-026-00-0

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

· **Application of the substance / the preparation**

Commercial cleaner
Cleaner for machines and kitchen appliances

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

· **Manufacturer/Supplier:**

Liberty Vertriebs GmbH
Bonner Straße 103
D - 40589 Duesseldorf
Phone: +49 211 753520
Fax +49 211 753575
verkauf@libertyshop.de

· **Further information obtainable from:** product safety department

· **1.4 Emergency telephone number:**

Toxin emergency call (24 hours):
Phone: +49 (0)30 19240
Advice in English and German.

* 2 Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

.....
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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

Xi; Irritant
R36/38: Irritating to eyes and skin.

.....
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Information concerning particular hazards for human and environment:**

The product is labeled according to the guidelines 67/548/EWG

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.



· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P280 Wear protective gloves and eye protection.

P273 Avoid release to the environment.

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

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

* **3 Composition/information on ingredients**

· **3.1 Chemical characterization: Substances**

· **CAS No. Description**

5329-14-6 >35% sulphamidic acid

· **Identification number(s)**

· **EC number:** 226-218-8

· **Index number:** 016-026-00-0

* **4 First aid measures**

· **4.1 Description of first aid measures**

· **General information:** Personal protection for the First Aider.

· **After inhalation:** Fresh air. If symptoms persist, consult a doctor.

· **After skin contact:**

Immediately rinse with plenty water.

If irritation persist consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Drink water. Avoid vomiting. Consult a doctor.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

* **5 Firefighting measures**

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, powder or water spray.

Adapt extinguishing agents on the surrounding area.



- **5.2 Special hazards arising from the substance or mixture**
Formation of sulphur dioxides (SO₂), sulphur trioxides (SO₃), nitrogen oxides (NO_x) and ammoniac (NH₃) possible.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear fully protective suit with breathable air bottle.

* 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid formation of dust.
Avoid contact with skin, eyes and clothing.
- **6.2 Environmental precautions:**
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 and material for containment and cleaning up:**
Pick up mechanically. Avoid formation of dust. Care for enough aeration.
Continue to use the not contaminated materials. For disposal of contaminated materials see item 13.
- **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 disposal information.

* 7 Handling and storage

- **7.1 Precautions for safe handling**
Follow the general preventive measures when working with chemicals.
Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store product only in adapted bottles.
- **Information about storage in one common storage facility:**
Do not store with oxidizing agents and bases.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 12
- **7.3 Specific end use(s)** Do not use with other chemicals.

* 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.



· **Respiratory protection:**



Short term filter device:

Particlefilter P2

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Recommendation from the company KCL:

article: 395 combi-latex, material: nature latex, thickness: 1.00 mm

article: 720 camapren, material: polyhchloroprene with nature latex, thickness: 0.65 mm

article: 730 camatril velours, material: nitril, thickness: 0.40 mm

article: 706 lapren, material: nature latex polychloroprene latex, thickness: 0,60 mm

article: 465 combi-rutschni, material: nature latex, thickness: 1.00 mm

· **Penetration time of glove material** All materials have a penetration time > 480 min = level 6.

· **Eye protection:**



Tightly sealed goggles

* **9 Physical and chemical properties**

| | |
|--|---|
| · 9.1 Information on basic physical and chemical properties | |
| · General Information | |
| · Appearance: | |
| Form: | Crystalline |
| Colour: | White |
| · Odour: | Odourless |
| · pH-value (10 g/l) at 20°C: | 1.3 |
| · Change in condition | |
| Melting point/Melting range: | 205°C |
| Boiling point/Boiling range: | Undetermined. |
| · Flash point: | Not applicable. |
| · Flammability (solid, gaseous): Product is not flammable. | |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Density: | Not determined. |
| · Bulk density at 20°C: | 2100 kg/m ³ |
| · Solubility in / Miscibility with water at 20°C: | |
| Organic solvents: | 215 g/l |
| | 0.0 % |
| Solids content: | 100.0 % |
| · 9.2 Other information | No further relevant information available. |



* 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Reaction with metals whereby formation of hydrogen gas.
Reaction with strong acids, oxidizing agents, carbonates, cyanides, bases and sulphides.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Sulphur oxides and nitrogen oxides.

11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

5329-14-6 sulphamidic acid

| | | |
|------|------|------------------|
| Oral | LD50 | 3160 mg/kg (rat) |
|------|------|------------------|

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:** Irritant

12 Ecological information

- **12.1 Toxicity**

· **Aquatic toxicity:**

5329-14-6 sulphamidic acid

| | | |
|------------|-----------|------------------------------|
| Inhalative | LC50/96 h | 70.3 mg/L (Dickkopfelnritze) |
|------------|-----------|------------------------------|

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to enter ground water, water course or sewage system.
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.


13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.



- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

14 Transport information

| | |
|---|--|
| · 14.1 UN-Number · ADR, IMDG, IATA | UN2967 |
| · 14.2 UN proper shipping name · ADR · IMDG, IATA | 2967 SULPHAMIC ACID SULPHAMIC ACID |
| · 14.3 Transport hazard class(es) · ADR, IMDG, IATA  | |
| · Class · Label | 8 Corrosive substances. 8 |
| · 14.4 Packing group · ADR, IMDG, IATA | III |
| · 14.5 Environmental hazards: · Marine pollutant: | No |
| · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Segregation groups | Warning: Corrosive substances. 80 F-A,S-B Acids |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR · Tunnel restriction code | E |
| · UN "Model Regulation": | UN2967, SULPHAMIC ACID, 8, III |

* 15 Regulatory information

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** product safety department
- **Contact:**
- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

SAVE DATA SHEET

(according to 1907/2006/EC, Article 31)

for Art.No. 32522, 32539, 32541



Liberty
Vertriebs GmbH

Vending Descaler Powder

V_712

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· * **Data compared to the previous version altered.**