

Safety Data Sheet

29 CFR 1910.1200

Printing date 08/15/2025



Version 1.0

Reviewed on 08/15/2025

1 Identification

- **Product identifier**
- **Trade name:** Descal powder
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Coffee Maker Cleaning
- **Sector of Use Consumer uses:** Private households / general public / consumers
- **Uses advised against** Do not use directly on skin, may cause irritation.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Company Name: Shark Ninja Operating LLC
Full address: 89 A Street, Suite 100, Needham Ma 02494, USA
Telephone: 617-456-8253
Email: wbirdsell@sharkninja.com
- **Other US contact point:**
Company Name: SharkNinja Operating LLC
Address: 89 A Street, Suite 100, Needham, MA 02494, USA
Telephone: +1-617-456-8253
Email: wbirdsell@sharkninja.com
- **Emergency telephone number:**
Poison Center
Tel: +1 800 222 1222
- **Reference Number:** HKHC2508005900HC -3487

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
 - 
 GHS07
 Eye irritation 2A H319 Causes serious eye irritation.
 Specific target organ toxicity (single exposure) 3 H335 May cause respiratory irritation.
 - **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
 - **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
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- **Label elements**
 - **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
 - **Hazard pictograms**
 - 
 GHS07
 - **Signal word** Warning
 - **Hazard-determining components of labeling:**
Citric acid

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· Hazard statements
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
· Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection / face protection.
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.
P312 Call a poison center/doctor if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

· Chemical characterization: Mixtures
· Description:
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.
· Composition :

CAS: 77-92-9	Citric acid Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H335	80 – 100%
CAS: 5329-14-6	Sulphamidic acid; Sulphamic acid; Sulfamic acid Skin irritation 2, H315; Eye irritation 2A, H319	1 – 5%
CAS: 10043-01-3	Aluminium sulphate Corrosive to metals 1, H290; Eye damage 1, H318	0.1 – 1%

· Remark:
The safety data sheet (SDS) is created in accordance with the provided chemical composition. The ingredient information is confidential as a trade secret. Details on the chemical composition of the formulation can be provided from the formulation owner and/or the chemical supplier(s) upon request.

4 First-aid measures

· Description of first aid measures
· General information:
Take affected persons out into the fresh air.
Rinse affected skin areas with water.
Seek medical assistance if discomfort continues.
· After inhalation:
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Get medical advice/attention if you feel unwell.
· After skin contact:
Flush contaminated skin with plenty of water.
Get medical attention if irritation persists.

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· **After eye contact:**

*Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Check for and remove any contact lenses. Get medical attention if irritation persists.*

· **After swallowing:**

*Do not induce vomiting unless directed to do so by medical personnel.
Never give anything by mouth to an unconscious person.
Get medical attention if adverse health effects persist or are severe.*

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

Potential acute health effects

Inhalation : Cause irritation to the respiratory tract.

Eye contact : Causes serious eye irritation.

Skin contact : Cause skin irritation.

Ingestion : Cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5 Fire-fighting measures

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

In certain fire conditions, traces of other toxic gases cannot be excluded.

· **Special protective equipment and precautions for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

Avoid breathing dust.

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected people away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Pick up mechanically without creating dust.

Dispose of the collected material according to regulations.

Dispose contaminated material as waste according to section 13.

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7 Handling and storage

- **Precautions for safe handling**
 - Avoid breathing dust.
 - Avoid contact with skin and eyes.
 - Prevent formation of dust.
 - Ensure good ventilation/exhaustion at the workplace.
 - For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** Fire fighting equipment must be available.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
 - Provide acid-resistant floor.
 - Store in a cool, dry and well-ventilated place.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Do not store together with oxidizing agents.
 - Do not store together with strong bases.
- **Further information about storage conditions:**
 - Label containers and storage units clearly.
 - Keep receptacle tightly sealed.
 - Store under lock and key and out of the reach of children.

8 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**

CAS: 10043-01-3 Aluminium sulphate

REL (USA)	Long-term value: 2 mg/m ³ as Al
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- **Regulatory information** REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.**
- **Appropriate engineering controls**
 - Ensure adequate ventilation in working and storage area.
 - Ensure that eye washing facilities are available.
 - Ensure that washing facilities are available at the work place.
 - Immediately remove all soiled and contaminated clothing.
 - Wash contaminated clothing before reuse.
 - Wash hands before breaks and at the end of work.
 - See section 7 for information about design of technical facilities.
- **Personal protective equipment:**
- **Breathing equipment:**
 - In case of insufficient ventilation, wear suitable respiratory equipment.
 - Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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· **Protection of hands:**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Wear suitable gloves.*

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles



Face protection

Wear eye protection

· **Body protection:**



Protective work clothing

9 Physical and chemical properties

· **General Information**

· **Appearance:**

· **Physical state**

Granules/Powder

· **Color:**

White

· **Odor:**

None

· **Odor threshold:**

Not available

· **Melting point/freezing point:**

Not available

· **Boiling point/Boiling range:**

Not available

· **Flammability:**

Not determined

· **Explosion limits:**

· **Lower:**

Not available

· **Upper:**

Not available

· **Flash point:**

Not available

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· Auto-Ignition temperature:	Not available
· Decomposition temperature:	Not available
· pH:	2.1 – 2.5 (10g/L)
· Viscosity:	
· Kinematic:	Not applicable.
· Dynamic:	Not applicable.
· Solubility in / Miscibility with	
· Water:	Not available
· Partition coefficient n-octanol/water (log value):	Not available
· Vapor pressure:	Not applicable
· Evaporation rate:	Not applicable.
· Density:	Not available
· Relative density:	Not available
· Vapour density:	Not applicable.
· Particle characteristics	Not determined.

· **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No dangerous reactions known under normal conditions of use.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions**
Under normal conditions of storage and use, hazardous reactions will not occur.
- **Conditions to avoid** Heat. Incompatible materials. Avoid dust formation.
- **Incompatible materials:**
Strong bases
Strong oxidizing agents.
- **Hazardous decomposition products:** May include, and are not limited to: oxides of carbon.

11 Toxicological information

· **Acute toxicity:**

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

CAS: 77-92-9 Citric acid

Oral	LD50	5,040 mg/kg (mouse)
		3,000 mg/kg (rat)

CAS: 5329-14-6 Sulphamidic acid; Sulphamic acid; Sulfamic acid

Oral	LD50	3,160 mg/kg (rat)
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· **Primary irritant effect:**

· **on the skin:** Based on available data, the classification criteria are not met.

· **on the eye:**

Irritating effect.

Causes serious eye irritation.

· **Sensitization:** No sensitizing effects known.

· **Specific target organ toxicity - single exposure** May cause respiratory irritation.

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· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must be disposed of in compliance with the respective national and local regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **DOT, IMDG, IATA**

Not applicable

· **UN proper shipping name**

· **DOT, IMDG, IATA**

Not applicable

· **Transport hazard class(es)**

· **DOT, IMDG, IATA**

· **Class**

Not applicable

· **Label**

Not applicable

· **Packing group**

· **DOT, IMDG, IATA**

Not applicable

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- | | |
|--|--|
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · Special precautions for user | Not applicable. |
| · EMS Number: | Not applicable |
| · UN "Model Regulation": | Not applicable |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **New Jersey Right-to-Know List:**

5329-14-6 Sulphamidic acid; Sulphamic acid; Sulfamic acid

10043-01-3 Aluminium sulphate

- **New Jersey Special Hazardous Substance List:**

5329-14-6 Sulphamidic acid; Sulphamic acid; Sulfamic acid

CO

10043-01-3 Aluminium sulphate

CO

- **Pennsylvania Right-to-Know List:**

10043-01-3 Aluminium sulphate

- **Pennsylvania Special Hazardous Substance List:**

10043-01-3 Aluminium sulphate

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· **Carcinogenity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

16 Other information

· **Relevant hazard statements**

H290 May be corrosive to metals.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· *****

The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Date of preparation / last revision 08/15/2025**

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Corrosive to metals 1: Corrosive to metals – Category 1

Skin irritation 2: Skin corrosion/irritation – Category 2

Eye damage 1: Serious eye damage/eye irritation – Category 1

Eye irritation 2A: Serious eye damage/eye irritation – Category 2A

Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3

· *****

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