

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: 9/17/2024
Version: 3.0
Replaces version: 2.0
Language: en-US
Date of print: 2/7/2025



WoldoClean Descaler Tablets for Coffee Machine & Kettle for 15 uses - compatible with Keurig, Nespresso, Ninja, Delonghi, Miele and Coffee Maker Pot

Material number 8524

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1. Product and company identification

Product identifier

Trade name: WoldoClean Descaler Tablets for Coffee Machine & Kettle for 15 uses - compatible with Keurig, Nespresso, Ninja, Delonghi, Miele and Coffee Maker Pot

This safety data sheet pertains to the following products:
B079TXYZLM = Entkalker-Tabs

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

General use: Descaler

Details of the supplier of the safety data sheet

Company name: Woldoshop GmbH

Street/POB-No.: Oststr. 64-70

Postal Code, city: 22844 Norderstedt
Germany

WWW: www.woldo-clean.de

E-mail: info@woldoshop.de

Telephone: +49 40 64667723

Department responsible for information:

After-sales service

E-mail: info@woldoshop.de

Telephone: +49 40 64667723

Emergency phone number

Poisons information service:
GIZ-Nord Göttingen, Germany
Telephone: +49 551-19240

Transport:
After-sales service
E-mail: info@woldoshop.de
Telephone: +49 40 64667723

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: solid

Form: Tabs

Color: blue

Odor: Characteristic

Classification: Skin Irritation - Category 2. Eye Irritation - Category 2A. Aquatic toxicity - chronic - Category 3.

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Hazard symbols:



Signal word:

Warning

Hazard statements:

Causes skin irritation.
Causes serious eye irritation.
Harmful to aquatic life with long lasting effects.

Precautionary statements:

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Wash hands and face thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash with plenty of water/soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see ' First aid ' on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified

After contact with water: Slipping hazard.
see section 11: Toxicological information

3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 5329-14-6	Sulphamidic acid	50 - 70 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Aquatic toxicity - chronic - Category 3.
CAS 497-19-8	Sodium carbonate	1 - 10 %	Eye Irritation - Category 2A.
CAS 124-04-9	Adipic acid	1 - 10 %	Eye Irritation - Category 2A.

Additional information: Contains Sodium sulfate. The maximum workplace exposure limits are, where necessary, listed in section 8.

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4. First aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

Most important symptoms/effects, acute and delayed

It can take hours before symptoms of poisoning show up following exposure.
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
In the case of the formation of dust: Cough, irritation to respiratory tract. Leads to irritation of the mucous membranes.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:	Not applicable
Auto-ignition temperature:	Not applicable
Suitable extinguishing media:	Co-ordinate fire-fighting measures to the fire surroundings. Water spray jet, foam, dry chemical powder, carbon dioxide.
Extinguishing media which must not be used for safety reasons:	Full water jet

Specific hazards arising from the chemical

May form dangerous gases and vapors in case of fire.
Furthermore, there may develop: Nitrogen oxides (NOx), sulphur oxides, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing to protect skin and eyes.
Additional information:	Do not inhale explosion and combustion gases. Use fine water spray to cool endangered containers. Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

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6. Accidental release measures

Personal precautions:	Avoid generation of dust. Do not breathe dust. Provide adequate ventilation. Avoid contact with skin and eyes. Wear appropriate protective equipment. Keep unprotected people away. Take off contaminated clothing and wash it before reuse.
Environmental precautions:	Do not allow to enter into ground-water, surface water or drains. If necessary notify appropriate authorities.
Methods for clean-up:	Take up mechanically, placing in appropriate containers for disposal. Wash spill area with plenty of water.
Additional information:	After contact with water: Slipping hazard.

7. Handling and storage

Handling

Advices on safe handling:	Provide adequate ventilation, and local exhaust as needed. Avoid generation of dust. Do not breathe dust. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Have eye wash bottle or eye rinse ready at work place.
Specific use(s)	Descaler

Storage

Requirements for storerooms and containers:	Shelf life (at the lowest estimate): 18 months Store at room temperature. Keep container tightly closed and in a well-ventilated place. Keep container dry. Keep only in the original container. Protect from heat and direct sunlight.
Hints on joint storage:	Keep away from strong alkalis, aluminium. Do not bring into contact with acid-sensitive materials. Keep away from food, drink and animal feedingstuffs.

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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	WoldoClean Descaler Tablets for Coffee Machine & Kettle for 15 uses - compatible with Keurig, Nespresso, Ninja, Delonghi, Miele and Coffee Maker Pot	USA: ACGIH: TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
		USA: ACGIH: TWA	3 mg/m ³ (Dust limit value, respirable fraction)
		USA: OSHA: TWA	15 mg/m ³ (Dust limit value, total dust)
		USA: OSHA: TWA	5 mg/m ³ (Dust limit value, respirable fraction)
124-04-9	Adipic acid	USA: ACGIH: TWA	5 mg/m ³

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.

In the case of the formation of dust: Dust should be exhausted directly at the point of origin.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Rubber, butyl caoutchouc (butyl rubber), nitrile rubber

Breakthrough time: ≥ 480 min

Layer thickness: 0.5 mm

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Recommendation: Particulates filter P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2. Identification color: white

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

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General hygiene considerations:

Do not breathe dust. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: solid Form: Tabs Color: blue
Odor:	Characteristic
Odor threshold:	No data available
pH:	at 1%: 1.5 - 2.0
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	Not applicable
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Water solubility:	Soluble at 68 °F: 215 g/L (Sodium carbonate) at 68 °F: 213 g/L (Sulphamidic acid)
Partition coefficient: n-octanol/water:	-4.34 log P(o/w) (Sulphamidic acid) Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.
Auto-ignition temperature:	Not applicable
Thermal decomposition:	No data available
Viscosity, dynamic:	Not applicable
Viscosity, kinematic:	Not applicable
Explosive properties:	Not explosive
Oxidizing characteristics:	Not oxidising
Bulk density:	Not applicable
Solvent content:	0 % (Organic solvents)

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10. Stability and reactivity

Reactivity:	May be corrosive to metals.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Reacts with strong alkalis with development of heat. Reacts with metals (e.g. aluminium): Product may release hydrogen gas.
Conditions to avoid:	Protect from moisture contamination. Keep away from heat sources, sparks and open flames. Protect from direct sunlight.
Incompatible materials:	Materials to avoid: Aluminium, strong alkalis. Do not bring into contact with acid-sensitive materials.
Hazardous decomposition products:	No decomposition when used properly.
Thermal decomposition:	No data available

11. Toxicological information

Toxicological tests

Toxicological effects:	The statements are derived from the properties of the single components. No toxicological data is available for the product as such. Acute toxicity (oral): Lack of data. Acute toxicity (dermal): Lack of data. Acute toxicity (inhalative): Lack of data. Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation. Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation. Sensitisation to the respiratory tract: Lack of data. Skin sensitisation: Lack of data. Germ cell mutagenicity/Genotoxicity: Lack of data. Carcinogenicity: Lack of data. Reproductive toxicity: Lack of data. Effects on or via lactation: Lack of data. Specific target organ toxicity (single exposure): Lack of data. Specific target organ toxicity (repeated exposure): Lack of data. Aspiration hazard: Lack of data.
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Other information: Information about Sulphamidic acid:
LD50 Rat, oral: > 2,000 mg/kg
Information about Sodium carbonate:
LD50 Rat, oral: 2,800 mg/kg
LD50 Rabbit, dermal: > 2,000 mg/kg
LD50 Rat, inhalative: 2.3 mg/L/2h (OECD 403)
Information about Adipic acid:
LD50 Rat, oral: 5,560 mg/kg (OECD 401)
LD50 Rabbit, dermal: 7,940 mg/kg
LD50 Rat, inhalative: > 7.7 mg/L/4h

Symptoms

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Information about Sulphamidic acid:
Fish toxicity: Pimephales promelas (fathead minnow)
LC50: 70.3 mg/L/96 h (OECD 203)
Daphnia toxicity: Daphnia magna (Big water flea)
EC50: 71.6 mg/L/48 h (OECD 202)
Algae toxicity: Desmodesmus subspicatus (green algae)
EC50: 48 mg/L/72 h (OECD201)

Information about Sodium carbonate:
Fish toxicity: Lepomis macrochirus (bluegill)
LC50: 300 mg/L/96 h
Daphnia toxicity: Daphnia magna (Big water flea)
EC50: 200 - 227 mg/L/48 h

Information about Adipic acid:
Fish toxicity: Pimephales promelas (fathead minnow)
LC50: 97 mg/L/96 h
Daphnia toxicity: Daphnia magna (Big water flea)
EC50: 46 mg/L/48 h (OECD 202)
NOEC: 6.3 mg/L/21 d
Algae toxicity: Desmodesmus subspicatus (green algae)
EC50: 31 mg/L/72 h
Algae toxicity: Pseudokirchneriella subcapitata (green algae)
NOEC: 41 mg/L/72 h
Bacteria toxicity: Activated sludge
EC50: 4.747 mg/L/3 h (OECD 209)

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Mobility in soil

Information about Adipic acid: 60 %/6 d

Persistence and degradability

Further details: Information about Sulphamidic acid:
Not biodegradable.
Information about Sodium carbonate:
The product can hydrolyse.
Information about Adipic acid:
Easily bio-degradable.

Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.
Recommended cleansing agent: Water

14. Transport information

UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

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Environmental hazards

Marine pollutant: no

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

No data available

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name:: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name:: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - U.S. Federal Regulations

Sulphamidic acid: TSCA Inventory: listed

Sodium sulfate: TSCA Inventory: listed

Sodium carbonate: TSCA Inventory: listed

Adipic acid: TSCA Inventory: listed

Clean Water Act:

CWA Hazardous Substances: RQ 5000 lbs.

Other Environmental Laws:

CERCLA: RQ 5000 lbs.

National regulations - U.S. State Regulations

Sulphamidic acid: Sulfamic acid is on the New Jersey list.

New York List of Hazardous Substances: TRQ = 100

Sodium sulfate: Massachusetts Haz. Substance codes: F9

Pennsylvania Haz. Substance code: E

16. Other information

Text for labeling: Contains 50 - 70 % Sulphamidic acid, 1 - 10 % Sodium carbonate, 1 - 10 % Adipic acid.

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Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 1 (Slight)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 1 (Slight)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1
	X

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EN: European Standard
EQ: Excepted quantities
Eye Irritation: Eye irritation
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NOEC: No Observed Effect Concentration
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Irritation: Skin irritation
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

Reason of change: Changes in section 9: Physical and chemical properties

Date of first version: 10/21/2022

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<http://sumdat.net/2s7qqxr>

