

Safety Data Sheet

Camelbak Cleaning Tablet

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Version: 5.0

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(30289671/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Camelbak Cleaning Tablet

Recommended use of the chemical and restriction on use

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: Preparation based on: inorganic salts

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	1	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic

Label elements

Pictogram:

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Signal Word:
Danger

Hazard Statement:

H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.

Precautionary Statements (Prevention):

P280 Wear eye/face protection.
P273 Avoid release to the environment.

Precautionary Statements (Response):

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 or doctor/physician.
P391 Collect spillage.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
7681-38-1	>= 25.0 - < 50.0%	sodium hydrogen sulphate
7758-19-2	>= 3.0 - < 5.0%	Chlorous acid, sodium salt
51580-86-0	>= 1.0 - < 3.0%	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt, dihydrate

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

Rinse skin immediately with plenty of water for 15 - 20 minutes. Immediate medical attention required.

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If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Hold eyelids open to facilitate rinsing. Immediate medical attention required.

If swallowed:

If person is conscious and can swallow, give two glasses of water. If vomiting occurs, keep head lower than hips to prevent aspiration. Immediate medical attention required.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

Water in copious quantities, water spray

Unsuitable extinguishing media for safety reasons:

carbon dioxide, organic compounds

Additional information:

If large amounts of the product are involved in a fire, it is possible that the application of water mist or fog could release enough chlorine dioxide gas in a confined space to present an explosion hazard.

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Substance/product may act as an oxidizer. Upon exposure to water or water vapour, chlorine dioxide gas is released.

Advice for fire-fighters

Protective equipment for fire-fighting:

Wear totally enclosed protective clothing. Wear a self-contained breathing apparatus.

Further information:

Substance/product is an oxidizing agent and can supply oxygen to stimulate or accelerate the combustion of organic or other combustible substances/products. Chlorine dioxide will dissolve harmlessly in flooding amounts of water. Fight fire from maximum distance.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective clothing and equipment. Avoid dust formation. Ensure adequate ventilation.

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Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Contain spillage. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Place into suitable container for disposal. Avoid raising dust. Spilled product should be disposed in accordance with all applicable government regulations. Reclaim for processing if possible.

7. Handling and Storage

Precautions for safe handling

Avoid direct contact with water. Take precautionary measures against static discharges. Avoid dust formation.

Protection against fire and explosion:

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Avoid dust formation.

Conditions for safe storage, including any incompatibilities

Segregate from incompatible substances.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Keep in a cool place. Keep container tightly closed. Avoid all sources of ignition: heat, sparks, open flame. Keep container dry.

8. Exposure Controls/Personal Protection

No occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes.

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9. Physical and Chemical Properties

Form:	tablets
Odour:	slight odour, of chlorine
Odour threshold:	Not determined since toxic by inhalation.
Colour:	blue
pH value:	6 - 7
Melting point:	The substance / product decomposes therefore not determined.
Boiling point:	The substance / product decomposes therefore not determined.
Flash point:	The substance/product is non-combustible.
<i>Information on: Chlorine oxide (ClO₂)</i>	
Lower explosion limit:	10 %(V) (20 °C, 1013.25 hPa) Literature data.

Vapour pressure:	The substance / product decomposes therefore not determined.
Bulk density:	1.5 g/cm ³
Partitioning coefficient n-octanol/water (log Pow):	The substance / product decomposes therefore not determined.
Self-ignition temperature:	not self-igniting
Thermal decomposition:	180 °C
Viscosity, dynamic:	not applicable
Solubility in water:	spontaneous decomposition, Reacts with water.
Evaporation rate:	The product is a non-volatile solid.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:

not fire-propagating

Reactions with water/air: Toxic gases: yes

Peroxides: no

Formation of flammable gases: Remarks: Forms no flammable gases in the presence of water.
Method: Manual of tests and criteria. Test N.5 (United Nations Recommendations on the Transport of Dangerous Goods).

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

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The product is chemically stable.
Upon exposure to water or water vapour, chlorine dioxide gas is released. Hazardous polymerization will not occur.

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid dust formation. Protect from sunlight. Avoid humidity.

Incompatible materials

water, strong acids, strong oxidizing agents, reducing agents, combustible materials, strong alkalies

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: Chlorine oxide (ClO₂), The mentioned substance is result of gradual decomposition under influence of atmospheric humidity., The substances/groups of substances mentioned may be released upon the reaction with water.

Thermal decomposition:
180 °C

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Oral

Type of value: LD50
Species: rat (female)
Value: > 2,000 - < 5,000 mg/kg

Dermal

Type of value: LD50
Species: rat
Value: > 5,000 mg/kg

Irritation / corrosion

Assessment of irritating effects: Causes serious eye damage. Not irritating to the skin.

Skin

Species: rabbit
Result: non-irritant
Method: similar to OECD guideline 404

Eye

Species: rabbit
Result: moderately irritating

Sensitization

Buehler test
Result: Non-sensitizing.

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Method: similar to OECD guideline 406

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: A damage of blood cells (methemoglobinemia) can not be excluded. Based on available Data, the classification criteria are not met.

Information on: Chlorous acid, sodium salt

Assessment of repeated dose toxicity: The substance may cause the formation of methemoglobin after repeated uptake of high doses.

Other Information

This substance can lead to the formation of another substance. The toxic properties of the subsequent product should be considered.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Very toxic (acute effect) to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity to fish

LC50 > 100 mg/l, Brachydanio rerio

Aquatic invertebrates

LC50 > 0.1 - < 1 mg/l, Daphnia magna

Persistence and degradability

Assessment biodegradation and elimination (H2O)

Inorganic product which cannot be eliminated from water by biological purification processes. The organic component of the product is biodegradable.

Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

Additional information

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from the properties of the individual components.

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13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with local authority regulations. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary). Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

Container disposal:

Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport

USDOT

Hazard class:	9
Packing group:	III
ID number:	UN 3077
Hazard label:	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains SODIUM CHLORITE)

Sea transport

IMDG

Hazard class:	9
Packing group:	III
ID number:	UN 3077
Hazard label:	9, EHSM
Marine pollutant:	YES
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains SODIUM CHLORITE)

Air transport

IATA/ICAO

Hazard class:	9
Packing group:	III
ID number:	UN 3077
Hazard label:	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains SODIUM CHLORITE)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

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State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	7681-38-1	sodium hydrogen sulphate
	7758-19-2	Chlorous acid, sodium salt
	51580-86-0	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt, dihydrate
PA	7758-19-2	Chlorous acid, sodium salt
	51580-86-0	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt, dihydrate

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

Based on BASF Corporation's knowledge of the product composition and manufacturing process, exposure to this product is not expected to contain substances subject to prior warning under California Proposition 65 regulations. Since BASF does not expect California Proposition 65 listed substances to be present, we do not routinely analyze this product for these substances.

NFPA Hazard codes:

Health: 3 Fire: 1 Reactivity: 1 Special:

HMIS III rating

Health: 3 Flammability: 1 Physical hazard: 1

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2018/01/30

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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Due to the merger of Engelhard Corp. and BASFGroup all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

END OF DATA SHEET