Safety Data Sheet
COFFEE MAKER 500 GR NSF

Safety Data Sheet dated 31/7/2020, version 3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: COFFEE MACHINE CLEANER – Lavazza Blu

Trade code: CL308 (SL116SL)

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

Recommended use:

Powder degreaser for electric coffee makers

Uses advised against:

Do not use for purposes other than those indicated

1.3. Details of the supplier of the safety data sheet

Company:

AXOR SRL

Via dell'Artigianato 8

35020 Pernumia (PD)

AXOR-S.R.L. - Tel. 0039-0429 - 763476 from Monday to Friday 8.30-17.30

Competent person responsible for the safety data sheet:

axor@axor.net

1.4. Emergency telephone number

AXOR-S.R.L. - Tel. 0039-0429 - 763476 from Monday to Friday 8.30-17.30

CENTRO ANTIVELENI DI BERGAMO tel: 0039-800-883300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Skin Irrit. 2, Causes skin irritation.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Product contents:

List of all ingredients by decreasing weight, divided into percentage weight categories (Reg 648/2004EC Ann. VII, C).

anionic surfactants < 5 %

The product also contains:

Allergens:

Preservatives:

Hazard pictograms:

Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash ... Thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Special Provisions:
None
Contains
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide
Sodium Percarbonate
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.
3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 50% - < 75%	sodium carbonate	Index number: 011-005-00-2 CAS: 497-19-8 EC: 207-838-8 REACH No.: 01-2119485498-19	3.3/2 Eye Irrit. 2 H319
>= 10% - < 20%	Sodium Percarbonate	CAS: 15630-89-4 EC: 239-707-6 REACH No.: 01-2119457268-30	2.14/3 Ox. Sol. 3 H272 3.1/4/Oral Acute Tox. 4 H302 3.3/1 Eye Dam. 1 H318
>= 10% - < 20%	Potassium carbonate	CAS: 584-08-7 EC: 209-529-3 REACH No.: 01-2119532646-36	3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335
>= 1% - < 5%	sodium carbonate	Index number: 011-005-00-2 CAS: 497-19-8 EC: 207-838-8 REACH No.: 01-2119485498-19	3.3/2 Eye Irrit. 2 H319
>= 1% - < 5%	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium	EC: 932-051-8 REACH No.: 01-2119565112-48	3.2/2 Skin Irrit. 2 H315 3.3/1 Eye Dam. 1 H318 4.1/C3 Aquatic Chronic 3 H412

	hydroxide		
>= 1% - < 5%	Sodium silicate: Silicic acid-Sodium salt	CAS: 1344-09-8 EC: 215-687-4	3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water.
Carbon dioxide (CO2).
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

sodium carbonate - CAS: 497-19-8

TLV TWA - 10 mg/m3

DNEL Exposure Limit Values

sodium carbonate - CAS: 497-19-8

Worker Industry: 0.01 mg/l - Exposure: Human Inhalation
Consumer: 0.01 mg/l - Exposure: Human Inhalation

Potassium carbonate - CAS: 584-08-7

Worker Industry: 16 mg/kg - Exposure: Human Dermal - Frequency: Long Term, local effects
Worker Industry: 10 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 8 ppm - Exposure: Human Dermal - Frequency: Long Term, local effects
Worker Industry: 10 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects

sodium carbonate - CAS: 497-19-8

Worker Professional: 0.01 mg/l - Consumer: 0.01 mg/l - Exposure: Human Inhalation - Frequency: Long Term (repeated)

Sodium silicate: Silicic acid-Sodium salt - CAS: 1344-09-8

Worker Professional: 0.00561 mg/l - Consumer: 0.00138 mg/l - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Worker Professional: 1.59 mg/kg - Consumer: 0.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated)
Consumer: 0.8 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)

PNEC Exposure Limit Values
Sodium silicate: Silicic acid-Sodium salt - CAS: 1344-09-8
Target: Fresh Water - Value: 7.5 mg/l
Target: Marine water - Value: 1 mg/l

8.2. Exposure controls

Eye protection:
Use close fitting safety goggles, don't use eye lens.

Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:
Not needed for normal use.

Thermal Hazards:
None

Environmental exposure controls:
None

Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	powder white	--	--
Odour:	odorless	--	--
Odour threshold:	N.A.	--	--
pH:	10,69	--	W/w in water 1,43%
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	NOT FLAMMABLE	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.08	--	--
Solubility in water:	SOLUBLE	--	--
Solubility in oil:	INSOLUBLE	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
None in particular.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological information of the product:
N.A.
Toxicological information of the main substances found in the product:
sodium carbonate - CAS: 497-19-8
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat = 2300 mg/m3
Test: LD50 - Route: Oral - Species: Rat = 2800 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
Potassium carbonate - CAS: 584-08-7
c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit > 2000
sodium carbonate - CAS: 497-19-8
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat = 2300 mg/m3 - Notes: 2 h
Test: LD50 - Route: Oral - Species: Rat = 2800 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
Sodium silicate: Silicic acid-Sodium salt - CAS: 1344-09-8
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 2.06 g/m3
Test: LD50 - Route: Oral - Species: Rat = 3400 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:
a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;

g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
sodium carbonate - CAS: 497-19-8
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia > 200 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 300 mg/l - Duration h: 96
Potassium carbonate - CAS: 584-08-7
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 200 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 68 mg/l - Duration h: 96
sodium carbonate - CAS: 497-19-8
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 200 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 300 mg/l - Duration h: 96
Sodium silicate: Silicic acid-Sodium salt - CAS: 1344-09-8
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1108 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 1700 mg/l - Duration h: 48

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

N.A.

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Ox. Sol. 3	2.14/3	Oxidising solid, Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 7: Handling and storage
SECTION 8: Exposure controls/personal protection
SECTION 11: Toxicological information
SECTION 12: Ecological information
SECTION 15: Regulatory information
SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	**Classification procedure**
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.

RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.