

# Safety Data Sheet

## SANITEC CAFFE' WASH

According to (CE) 1907/2006

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

#### 1.1. Product identifier

Mixture identification:  
Trade name: SANITEC CAFFE' WASH  
Trade code: 2160

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

Recommended use:  
Liquid alkaline detergent for filters of coffee machines

#### 1.3. Details of the supplier of the safety data sheet

Supplier:  
ITALCHIMICA s.r.l.  
Riviera Maestri del lavoro 10 35127 Padova Italy

Marketing authorization holder  
ITALCHIMICA s.r.l.  
Riviera Maestri del lavoro 10 35127 Padova Italy  
Phone +39 049 8792456 - [www.sanitecitalia.it](http://www.sanitecitalia.it)

Competent person responsible for the safety data sheet:  
[produzione@italchimica.it](mailto:produzione@italchimica.it) || [regulatory@italchimica.it](mailto:regulatory@italchimica.it)

#### 1.4. Emergency telephone number

Centro Antiveleni - Ospedale Niguarda Milano - 02-66101029

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:


Properties / Symbols:


Xi Irritant  
C Corrosive

R Phrases:

R35 Causes severe burns.  
R41 Risk of serious damage to eyes.

EC regulation criteria 1272/2008 (CLP)

 Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.

 Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Symbols:



Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P280 Wear protective gloves and eye/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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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/doctor.

Special Provisions:

None

Contents

Tetrasodium EDTA  
2,2`-IMINODIETANOLO

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 EEC directive 67/548 and CLP regulation and related classification:

>= 5% - < 15% Triethanolamine


REACH No.: 01-2119488930, Index number: 603-071-00-1, CAS: 111-42-2, EC: 203-868-0

Xn,Xi; R22-48/22-38-41


>= 5% - < 15% Tetrasodium EDTA

Index number: 607-428-00-2, CAS: 64-02-8, EC: 200-573-9

Xn,Xi; R20/22-41

 3.1/4/Inhal Acute Tox. 4 H332


 3.1/4/Oral Acute Tox. 4 H302

 3.3/1 Eye Dam. 1 H318

< 5% Sodium p- cumenesulphonate

REACH No.: 01-2119489411, CAS: 15763-76-5, EC: 248-983-7

Xi; R36

 3.3/2 Eye Irrit. 2 H319

< 5% Alcohols Ethoxylated

CAS: 68937-66-6

 3.3/2 Eye Irrit. 2 H319

< 5% 2,2`-IMINODIETANOLO

 3.2/2 Skin Irrit. 2 H315

 3.3/1 Eye Dam. 1 H318

 3.9/2 STOT RE 2 H373

< 5% sodium hydroxide; caustic soda

Index number: 011-002-00-6, CAS: 1310-73-2, EC: 215-185-5

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C; R35



3.2/1A Skin Corr. 1A H314

### 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.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

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 ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

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 (CO<sub>2</sub>).

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.

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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.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 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

Triethanolamine - CAS: 111-42-2

ACGIH - LTE: 1 mg/m<sup>3</sup> - Notes: Pelle

Tetrasodium EDTA - CAS: 64-02-8

EU - LTE: 10 mg/m<sup>3</sup> - Notes: Inalabile

EU - LTE: 3 mg/m<sup>3</sup> - Notes: respirabile

sodium hydroxide; caustic soda - CAS: 1310-73-2

TLV STEL - C 1,22 ppm - C 2 mg/m<sup>3</sup>

DNEL Exposure Limit Values

Tetrasodium EDTA - CAS: 64-02-8

Worker Professional: 2.8 ppm - Consumer: 1.7 ppm - Exposure: Human Inhalation

Consumer: 2.8 mg/kg - Exposure: Human Oral

sodium hydroxide; caustic soda - CAS: 1310-73-2

Worker Professional: 1 ppm - Exposure: Human Inhalation

PNEC Exposure Limit Values

N.A.

### 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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

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Appearance and colour:	Liquido Giallo / Liquid Yellow
Odour:	Caratteristico / Characteristic
Odour threshold:	N.A.
pH:	12.5 +/- 0.5
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	N.A.
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.10 +/-0,01 gr/ml
Solubility in water:	Ottima / Excellent
Solubility in oil:	N.A.
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

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

Do not mix with other products. Could develop dangerous gases.

### 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 mixture:

N.A.

Toxicological information of the main substances found in the mixture:

Triethanolamine - CAS: 111-42-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 710 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 12200 mg/kg

Test: LCLo - Route: Inhalation - Species: Rat = 1.9 mg/m3

Sodium p- cumenesulphonate - CAS: 15763-76-5

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rat >

b) skin corrosion/irritation:

Test: Skin Sensitization - Route: Skin - Species: Rabbit Negative - Source: OECD 404 - Notes:

Lieve Irritante

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- Test: Skin Sensitization - Route: Skin - Species: Rabbit Negative - Source: OECD 405 - Notes: Mederatamente Irritante Occhi
- e) germ cell mutagenicity:  
Test: Mutagenesis Negative - Source: EPA OPPTS e OECD 474 NEGATIVI
- f) carcinogenicity:  
Test: Carcinogenicity - Route: Skin - Species: Rat Negative - Source: OECD 453
- g) reproductive toxicity:  
Test: Reproductive Toxicity - Species: Rat > 936 mg/kg - Source: NOAEL

If not differently specified, the information required in Regulation 453/2010/EC 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.

Triethanolamine - CAS: 111-42-2

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 55 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 2.2 mg/l - Duration h: 96

Endpoint: LC50 - Species: Fish = 1460 mg/l - Duration h: 96

Sodium p- cumenesulphonate - CAS: 15763-76-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 230 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96

Alcohols Ethoxylated - CAS: 68937-66-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1-10 mg/l - Duration h: 96 - Notes: OECD TG 203 - Prova Statica

Endpoint: EC50 - Species: Daphnia > 1-10 mg/l - Duration h: 48 - Notes: OECD TG 202 - Prova Statica

Endpoint: EC50 - Species: Algae > 1-10 mg/l - Duration h: 72 - Notes: Prova Statica - Direttiva 67/548/CEE

#### 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. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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### SECTION 14: Transport information



- 14.1. UN number  
 ADR-UN Number: 1824  
 IATA-UN Number: 1824  
 IMDG-UN Number: 1824
- 14.2. UN proper shipping name  
 ADR-Shipping Name: SODIUM HYDROXIDE SOLUTION  
 IATA-Shipping Name: SODIUM HYDROXIDE SOLUTION  
 IMDG-Shipping Name: SODIUM HYDROXIDE SOLUTION
- 14.3. Transport hazard class(es)  
 ADR-Class: 8  
 ADR - Hazard identification number: 80  
 IATA-Class: 8  
 IATA-Label: 8  
 IMDG-Class: 8
- 14.4. Packing group  
 ADR-Packing Group: III  
 IATA-Packing group: III  
 IMDG-Packing group: III
- 14.5. Environmental hazards  
 ADR-Environmental Pollutant: No  
 IMDG-Marine pollutant: No
- 14.6. Special precautions for user  
 ADR-Subsidiary risks: -  
 ADR-S.P.: N/A  
 ADR-Tunnel Restriction Code: (E)  
 IATA-Passenger Aircraft: 852  
 IATA-Subsidiary risks: -  
 IATA-Cargo Aircraft: 615  
 IATA-S.P.: -  
 IATA-ERG: 8L  
 IMDG-EmS: F-A , S-B  
 IMDG-Subsidiary risks: -  
 IMDG-Storage category: Category A  
 IMDG-Storage notes: "Separated from" acids. "Away from" ammonium salts.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
 N.A.

### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
 Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)  
 Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)  
 Dir. 98/24/EC (Risks related to chemical agents at work)  
 Dir. 2000/39/EC (Occupational exposure limit values)  
 Dir. 2006/8/EC  
 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) n. 453/2010 (Annex I)  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)

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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)

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

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

N.A.

15.2. Chemical safety assessment

No

### SECTION 16: Other information

Full text of phrases referred to in Section 3:

R20/22 Harmful by inhalation and if swallowed.

R22 Harmful if swallowed.

R35 Causes severe burns.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H314 Causes severe skin burns and eye damage.

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

CCNL - Appendix 1

Insert further consulted bibliography

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.

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.



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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.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.