

## Safety Data Sheet WASH PLUS DISINFECTANT

Safety Data Sheet dated 28/5/2014, version 1

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

- 1.1. Product identifier  
Mixture identification  
Trade name: WASH PLUS DISINFECTANT
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use:  
Detergent for manual dishwashing.  
Uses advised against:  
Do not use in combination with other products.
- 1.3. Details of the supplier of the safety data sheet  
Manufacturer:  
  
SUTTER INDUSTRIES s.p.a. - Società con Unico Socio  
15060 Borghetto Borbera (AL) Italia  
Tel. +39 0143 631.1
- Competent person responsible for the safety data sheet:  
regulatory.affairs@sutter.it
- 1.4. Emergency telephone number  
+39 0143 631.1

### 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  
☒ N Dangerous for the environment
- R Phrases:  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R50 Very toxic to aquatic organisms.
- EC regulation criteria 1272/2008 (CLP)  
☒ Danger, Skin Corr. 1B, Causes severe skin burns and eye damage.  
☒ Danger, Eye Dam. 1, Causes serious eye damage.  
☒ Warning, Aquatic Acute 1, Very toxic to aquatic life.
- 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.  
H400 Very toxic to aquatic life.
- Precautionary statements:  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear eye protection.  
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.



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

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.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contents

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE  
ALCOHOLS, C13-15 BRANCHED AND LINEARS, ETHOXYLATED  
C8-18 ALKYLAMIDOPROPYL BETAINE  
C12-14 ALKYLDIMETHYLAMINES, N-OXIDES

Product contents:

amphoteric surfactants, non-ionic surfactants 5 - 15 %

The product also contains: Disinfectants, Perfumes

Allergens: D-LIMONENE

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

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### 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:

>= 7% - < 10% ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE

CAS: 68391-01-5, EC: 269-919-4

Xn,C,N; R50-21/22-34

⚠ 3.1/4/Dermal Acute Tox. 4 H312

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.2/1B Skin Corr. 1B H314

⚠ 4.1/A1 Aquatic Acute 1 H400

>= 3% - < 5% ALCOHOLS, C13-15 BRANCHED AND LINEARS, ETHOXYLATED

REACH No.: 02-2119548515-35

Xn,Xi; R22-41

⚠ 3.3/1 Eye Dam. 1 H318

⚠ 3.1/4/Oral Acute Tox. 4 H302

>= 3% - < 5% C8-18 ALKYLAMIDOPROPYL BETAINE

REACH No.: 01-2119488533-30, EC: 931-296-8

Xi; R41

⚠ 3.3/1 Eye Dam. 1 H318

4.1/C3 Aquatic Chronic 3 H412

>= 3% - < 5% C12-14 ALKYLDIMETHYLAMINES, N-OXIDES

REACH No.: 01-2119490061-47, CAS: 308062-28-4, EC: 931-292-6

Xn,Xi,N; R22-38-41-50

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.3/1 Eye Dam. 1 H318

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- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 4.1/A1 Aquatic Acute 1 H400
- ⚠ 4.1/C2 Aquatic Chronic 2 H411

- >= 1% - < 3% FATTY ACID AMIDE  
CAS: 68603-42-9, EC: 271-657-0  
Xi; R38-41
- ⚠ 3.2/2 Skin Irrit. 2 H315
  - ⚠ 3.3/1 Eye Dam. 1 H318

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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose off safely.

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 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

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#### 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.

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#### 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

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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

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#### 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

Store away from sunlight.

Store in a cool and well ventilated place.

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

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#### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4

Worker Industry: 11 mg/kg - Consumer: 5.5 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 15.5 mg/m<sup>3</sup> - Consumer: 3.8 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 0.44 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4

Target: Marine water - Value: 0.00335 mg/l

Target: Marine water sediments - Value: 0.524 mg/kg

Target: Soil (agricultural) - Value: 1.02 mg/kg

Target: Microorganisms in sewage treatments - Value: 24 mg/kg

8.2. Exposure controls

Eye protection:

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

Protection for skin:

No special precaution must be adopted for normal use.

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:

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None  
Environmental exposure controls:  
None

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#### SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties
- |                                               |                                |
|-----------------------------------------------|--------------------------------|
| Appearance and colour:                        | Clear liquid, colorless/yellow |
| Odour:                                        | Citrus                         |
| Odour threshold:                              | Evident                        |
| pH:                                           | 8,0 +/- 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:                                  | > 65 ° C                       |
| Evaporation rate:                             | N.A.                           |
| Vapour pressure:                              | N.A.                           |
| Relative density:                             | 1,005 g/ml                     |
| Solubility in water:                          | Total                          |
| Solubility in oil:                            | Partial                        |
| Partition coefficient (n-octanol/water):      | < 1000                         |
| Auto-ignition temperature:                    | N.A.                           |
| Decomposition temperature:                    | N.A.                           |
| Viscosity:                                    | 125 cP                         |
| 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 | Not Relevant |

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#### 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.

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#### 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:  
ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5
- a) acute toxicity:
- |                                                         |
|---------------------------------------------------------|
| Test: LD50 - Route: Oral - Species: Rat = 344 mg/kg     |
| Test: LD50 - Route: Skin - Species: Rabbit = 3340 mg/kg |

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C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1064 mg/kg

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.

Very toxic to aquatic organisms.

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.016 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish = 0.28 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Algae = 0.049 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.67 mg/l

Endpoint: EC50 - Species: Daphnia = 3.1 mg/l

Endpoint: EC50 - Species: Algae = 0.143 mg/l

#### 12.2. Persistence and degradability

None

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

ADR-UN Number: 3082

53595ASSIST/1

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IATA-UN Number:	3082
IMDG-UN Number:	3082
14.2. UN proper shipping name	
ADR-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE)
IATA-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE)
IMDG-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE)
14.3. Transport hazard class(es)	
ADR-Class:	9
ADR-Label:	9
ADR - Hazard identification number:	90
IATA-Class:	9
IATA-Label:	9
IMDG-Class:	9
IMDG-Class:	9
14.4. Packing group	
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
ADR-Environmental Pollutant:	Yes
IMDG-Marine pollutant:	Marine Pollutant
14.6. Special precautions for user	
Rail (RID):	9
ADR-Subsidiary risks:	-
ADR-S.P.:	274 335 601
ADR-Tunnel Restriction Code:	(E)
IATA-Passenger Aircraft:	964
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	964
IATA-S.P.:	A97 A158
IATA-ERG:	9L
IMDG-Page:	87
IMDG-EmS:	F-A , S-F
IMDG-Subsidiary risks:	-
IMDG-Storage category:	Category A
IMDG-Storage notes:	-
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)
  - Regulation (EU) n. 618/2012 (ATP 3 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:



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None

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)

15.2. Chemical safety assessment  
No

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#### SECTION 16: Other information

Full text of phrases referred to in Section 3:

R21/22 Harmful in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R50 Very toxic to aquatic organisms.

H312 Harmful in contact with skin.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.  
H315 Causes skin irritation.  
H411 Toxic to aquatic life with long lasting effects.

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.  
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).





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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.