



# Safety Data Sheet

## CLEAN HAND

Safety Data Sheet dated 29/4/2016, version 1  
In compliance with Regulation (EC) 2015/830

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

#### 1.1. Product identifier

Mixture identification:

Trade name: CLEAN HAND  
Product type: Hand diswashing detergent

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

Recommended use:

Cosmetics, personal care products

Uses advised against:

None in particular

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

Supplier:

AirChem Consumables, LOB 10, Office # 10F14, JAFZA, Dubai, UAE- Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae

Competent person responsible for the safety data sheet:

airacc@acc.ae

#### 1.4. Emergency telephone number

AirChem Consumables, Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae (from Sunday to Thursday from 09 AM to 6 PM; Saturdays 09 AM to 2:30 PM)

A list of Poison Control Centers is available at the following link:

[http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/)

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### SECTION 2: Hazards identification

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

EC regulation criteria 1272/2008 (CLP)

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

Adverse physicochemical, human health and environmental effects:

If brought into contact with the eyes, the product causes considerable irritation which can last for over 24 hours.

#### 2.2. Label elements

EC regulation criteria 1272/2008 (CLP)

Hazard pictograms:



Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash the skin thoroughly after handling.

P280 Wear protective clothing and eye 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.

P337+P313 If eye irritation persists: Get medical advice/attention.

Special Provisions:

None

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

Not applicable

#### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

1-5 % Hydroxide (carboxy methyl)-dimethyl 3 - [(1-oxododecyl) amino] propyl ammonium

CAS: 4292-10-8, EC: 224-292-6

⚠ 3.3/2 Eye Irrit. 2 H319

1-5 % Sodium lauryl ether sulfate

CAS: 68891-38-3

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.2/2 Skin Irrit. 2 H315

1-5 % Coconut oil, reaction products with diethanolamine

CAS: 8051-30-7, EC: 232-483-0

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/1 Eye Dam. 1 H318

⚠ 3.9/2 STOT RE 2 H373

1-5 % Dodecyldipropylenetriamine

CAS: 2372-82-9, EC: 219-145-8

⚠ 3.1/3/Oral Acute Tox. 3 H301

⚠ 3.2/1A Skin Corr. 1A H314

⚠ 3.9/2 STOT RE 2 H373

⚠ 4.1/A1 Aquatic Acute 1 H400

Declaration of ingredients according to Detergent Regulation 648/2004:

amphoteric surfactants 5 - 15 %

soap, anionic surfactants < 5 %

For the complete text of the hazard and risk phrases refer to paragraph 16

### 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 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

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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
    - 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
    - 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)
    - For more information see Technical data bulletin
    - None in particular
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### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
  - Contained substances
    - No occupational exposure limit available
  - DNEL Exposure Limit Values
    - Not applicable
  - PNEC Exposure Limit Values
    - Not applicable

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#### 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

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## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes:
Appearance and colour:	Colorless viscous liquid	--	--
Odour:	Odorless	--	--
Odour threshold:	n.av. mg/m <sup>3</sup>	--	--
pH:	5.5	--	--
Melting point / freezing point:	< 0 °C	--	--
Initial boiling point and boiling range:	Initial 100 °C	--	--
Flash point:	None °C	--	--
Evaporation rate:	na	--	--
Solid/gas flammability:	na	--	--
Upper/lower flammability or explosive limits:	na % v/v	--	--
Vapour pressure:	3.2 kPa	--	--
Vapour density (air=1):	> 1	--	--
Relative density:	1.02 g/ml	--	--
Solubility in water:	Complete	--	--
Solubility in oil:	Emulsifies	--	--
Partition coefficient (n-octanol/water):	na	--	--

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Auto-ignition temperature:	none °C	--	--
Decomposition temperature:	n.av. °C	--	--
Viscosity:	n.av. mPa.s	--	--
Explosive properties:	Not explosive	--	--
Oxidizing properties:	Not Oxidant	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	n.av.	--	--
Fat Solubility:	n.av.	--	--
Conductivity:	n.av.	--	--
Substance Groups relevant properties:	n.av.	--	--

## 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 mixture:  
Not applicable
- Toxicological information of the main substances found in the mixture:  
Dodecyldipropylenetriamine - CAS: 2372-82-9  
Type: a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 261 - U.M.: mg/kg  
Test: LD50 - Route: Skin - Species: Rat - Op.: > - Value: 600 - U.M.: mg/kg  
Type: b) skin corrosion/irritation:  
Test: Skin Corrosive - Route: Skin - Species: Rabbit - Op.: Positive - Duration: 3 minutes

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- acute toxicity;
- skin corrosion/irritation;
- serious eye damage/irritation;
- respiratory or skin sensitisation;
- germ cell mutagenicity;

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

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Based on the information available it is not expected that this product may cause any adverse environmental effect when use instructions and disposal recommendations are followed.

Adopt good working practices, so that the product is not released into the environment.

List of substances hazardous to the environment and eco-toxicological information available:

Hydroxide (carboxy methyl)-dimethyl 3 - [(1-oxododecyl) amino] propyl ammonium - CAS: 4292-10-8

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: > - Value: 1 - U.M.: mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae - Op.: > - Value: 1 - U.M.: mg/l - Duration h: 48

Sodium lauryl ether sulfate - CAS: 68891-38-3

Type: a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae - Op.: = - Value: 10 - U.M.: mg/l - Duration h: 48

Dodecyldipropylenetriamine - CAS: 2372-82-9

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 0.68 - U.M.: mg/l - Duration h: 96 -

Notes: Oncorhynchus mykiss

Endpoint: LC50 - Species: Fish - Op.: = - Value: 0.45 - U.M.: mg/l - Duration h: 96 -

Notes: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 0.073 - U.M.: mg/l - Duration

h: 48 - Notes: Daphnia magna

Type: b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia - Op.: = - Value: 0.024 - U.M.: mg/l - Duration

h: 504 - Notes: Daphnia magna

#### 12.2. Persistence and degradability

Dodecyldipropylenetriamine - CAS: 2372-82-9

Biodegradability: Readily biodegradable - Test: OCSE TG 302B: Test Zahn-Wellens modified, Theoretical carbon demand (ThCO<sub>2</sub>) - Duration: 28 days - %: 91 - Notes: Not applicable

Biodegradability: Readily biodegradable - Test: OCSE 301D: Closed bottle, Respirometry: dissolved oxygen - Duration: 28 days - %: 79 - Notes: Not applicable

Regulation (EC) No. 648/2004 on Detergents and amendments:

Surfactant(s) contained in this preparation comply with biodegradability criteria as defined in (EC) regulations on detergents.

#### 12.3. Bioaccumulative potential

Not applicable

#### 12.4. Mobility in soil

Not applicable

#### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

#### 12.6. Other adverse effects

None

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product and its residue:

Do not dispose in the canals of wastewater, waterways and soil.

The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product. Different codes may be assigned based on the end user's use and the characteristics of the disposal.

Waste code CER/EWC (2000/532/CE), attributable to the product as:

07 06 01\* Aqueous solution of washing and mother liquors

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Any remaining product should be disposed of with the material.

Containers/contaminated packaging

Containers, even completely empty, must not be disposed in the environment. The packagings which can not be cleaned should be disposed of as the material.

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

Not classified as dangerous in the meaning of transport regulations.

14.1 UN number:

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

Not applicable

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

No

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### 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)

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.

Volatile Organic compounds - VOCs = 0.00 %

Volatile Organic compounds - VOCs = 0.00 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

Regulation (EC) n°648/2004 (detergents).

15.2. Chemical safety assessment

Not available

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### SECTION 16: Other information

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Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H318 Causes serious eye damage.

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

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

Hazard class and hazard category	Code	Description
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
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 RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1

This safety data sheet has been completely updated in compliance to Regulation 2015/830.

This document was prepared by a competent person who has received appropriate training.

This MSDS cancels and replaces any preceding release.

Where applicable, refer to the following regulatory provisions :

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments; Regulation (EC) n°1272/2008; Regulation (EC) N. 790/2009 (annex VI), Regulation (EC) n. 1907/2006 (REACH).

Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments; Commission Directive n. 2006/8/CE.

Directive 2012/18/EU (Seveso III)

Directive 2013/10/EU (aerosols) amending Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) n° 1272/2008 on classification, labelling and packaging of substances and mixtures and subsequent amendments.

Regulation (EC) No 1223/2009 on cosmetic products and subsequent amendments.

Regulation (EU) No 126/2013 amending Annex XVII to Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products and subsequent amendments.

Directives 91/156/CEE, 91/689/CEE, 94/62/CE (Disposal of waste ) and subsequent amendments.

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), current edition.

Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.

IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

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#### Main bibliographic sources:

ESIS: European chemical Substances Information System and Environmental hazard classification.

Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)

NIOSH - Registry of toxic effects of chemical substances (1983)

Material Safety Data Sheets of chemicals, REACH database

Material Safety Data Sheet and Technical Data of raw material as by Supplier.

#### Abbreviations and acronyms:

TLV-TWA = Threshold Limit Value- time-weighted average, 8-hour workday, 40-hour workweek;

TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling

exposure limit; Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be

absorbed through the skin. Carcinogenicity categories: A1 / A2 = confirmed / suspected human

carcinogen; A3 = Animal carcinogen; A4 / A5 = Not Classifiable/not suspected as a human

carcinogen. ACGIH = American Conference on Governmental Industrial Hygienists. OEL

=Occupational Exposure Limit. VLPE = Occupational Exposure Limit Values. LTE =long term

exposure, STE=short term exposure.

n.av.= Not Available, n.a. = not applicable; LD50=lethal dose (solids and liquids), LC50=lethal

concentration (gases) that will kill 50% of the test animals; ADR= European Agreement

concerning the International Carriage of Dangerous Goods by Road. Regulations IATA/ICAO =

Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current

edition. IMDG Code = International Maritime Dangerous Goods Code produced by the

International Maritime Organization (IMO), current edition.

PBT = Persistent, Bioaccumulative and Toxic substances. ; vPvB = very Persistent and very

Bioaccumulative substances; CMR = Carcinogenic, mutagenic or reproduction toxic substances.

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.