



Safety Data Sheet dated 6/2/2012, version 1
In compliance with Regulation (EC) 453/2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. Product identifier
Mixture identification:
Trade name: SANTEX
Product type: water based cleaner
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Washing and cleaning products (including solvent based products)
Uses advised against:
None in particular
- 1.3. Details of the supplier of the safety data sheet
Supplier:
AirChem Consumables, Sharjah Airport International Zone (SAIF Zone, A2-099), Sharjah, UAE. P.O. BOX 8994.
TEL: +971 6 552 8946 FAX: +971 6 552 8947, Email: airacc@acc.ae
Competent person responsible for the safety data sheet:
airacc@acc.ae
- 1.4. Emergency telephone number
AirChem Consumables, TEL: +971 6 552 8946 FAX: +971 6 552 8947, Email: airacc@acc.ae

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.
- Adverse physicochemical, human health and environmental effects:
If brought into contact with the skin, the product causes appreciable inflammation, with erythema, scabs, and oedema.
If brought into contact with the eyes, the product causes serious eye injury, such as opacity of the cornea or lesions to the iris.
This product is a threat to the environment; it is highly toxic for aquatic organisms following acute exposure.
- 2.2. Label elements
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:




Xi

N










- 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.
S Phrases:
S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.
S56 Dispose of this material and its container to hazardous or special waste collection point.
Special Provisions:
Contents nonionic and cationic biodegradable surfactants
- 2.3. Other hazards
vPvB Substances: None - PBT Substances: None
This product contains no substances meeting the criteria for PBT or vPvB in accordance with Annex XIII of REACH
Other Hazards:
No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. Substances
Not applicable
- 3.2. Mixtures
Hazardous components within the meaning of EEC directive 67/548, Regulation (EC) No. 1272/2008, components with workplace exposure and corresponding classification:
1 -10 % Sodium metasilicate
REACH N°: 01-2119449811-37-XXXX, Index number: 014-010-00-8, CAS: 10213-79-3, EC: 229-912-9
Xi,C; R34-37
 3.2/1B Skin Corr. 1B H314

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-  3.8/3 STOT SE 3 H335
-  2.16/1 Met. Corr. 1 H290
- 1-5 % Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides
CAS: 68424-85-1, EC: 270-325-2
Xn,C,N; R50-21/22-34
-  3.1/4/Dermal Acute Tox. 4 H312
-  3.3/1 Eye Dam. 1 H318
-  3.1/4/Oral Acute Tox. 4 H302
-  3.2/1B Skin Corr. 1B H314
-  4.1/A1 Aquatic Acute 1 H400
- 1-5 % Alcohol (C9-11) polyglycoether
Index number: polymer, CAS: 68439-46-3
Xn,Xi; R22-41
-  3.1/4/Oral Acute Tox. 4 H302
-  3.3/1 Eye Dam. 1 H318

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

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.

Give nothing to eat or drink.

In case of Inhalation:

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

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

5. FIRE-FIGHTING 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.

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.

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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

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)

Sanitizer disinfectant odorless liquid detergent

For more information see Technical date bulletin

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contained substances

none

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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance and colour: colorless liquid

Odour: light

Odour threshold: n.av. mg/m³

pH: 11 - 12

Melting point / freezing point: < 5 °C

Initial boiling point and boiling range: 100 °C

Solid/gas flammability: na

Upper/lower flammability or explosive limits: na % v/v

Vapour density: > 1 (air=1)

Flash point: none °C

Evaporation rate: na

Vapour pressure: 3.2 kPa

Relative density: 1.06 g/ml

Solubility in water: complete

Lipid solubility: Negligible

Partition coefficient (n-octanol/water): n.av.

Auto-ignition temperature: not selfigniting °C

Decomposition temperature: not decomposes

Viscosity: n.av. mPa.s

Explosive properties: not Explosive

Oxidizing properties: not Oxidant

9.2 Other information

Miscibility: complete in water

Fat Solubility: n.av.

Conductivity: n.av.

Substance Groups relevant properties: n.av.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

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- 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.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

Sodium metasilicate - CAS: 10213-79-3

Test: LD50 - Route: Oral - Species: Rat = 1152 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 2.06 g/m³

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg - Notes: bw

Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides - CAS: 68424-85-1

LD50 max, rat, skin= 1560 mg/Kg

LD50 max, rat, oral= 795 mg/Kg

Alcohol (C9-11) polyglycolether - CAS: 68439-46-3

LD50 oral (rat): > 200- 2000 mg/kg

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.

Very toxic to aquatic organisms.

Sodium metasilicate - CAS: 10213-79-3

Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 1108

Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 1700

Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides - CAS: 68424-85-1

Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 0.85

Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 0.01 daphnia magna

Test: EC50 - Species: Algae - Duration h: 96 - mg/l: 0.06

Test: IC50 - Species: BACTERIA - Duration h: 0.5 - mg/l: 11

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

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

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*

H8

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.

SECTION 14: Transport information

14.1. UN number

ADR-UN number: 3082

14.2 UN proper shipping name:

ADR- proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,
(Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides)

14.3 Transport hazard class(es):

ADR-Class: 9

ADR-Classification code: M6

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ADR-Label:	9
ADR-Environmentally mark : Yes	
ADR-Tunnel Restriction Code:	E
14.4 Packing Group:	
ADR-Packing group:	III
14.5 Environmental hazards	
ADR Environmental Pollutant:	
yes	
14.6 Special Precautions for User	
The goods must be transported by vehicles authorized to transport dangerous goods in accordance with the requirements of the current edition of ADR and applicable national regulations. The goods must be carried in original packaging and in any case, in packaging made out of suitable and resistant materials with content and with a dangerous reaction. All the personnel loading and unloading dangerous goods must be trained on the risks associated with the preparation and any procedures to be taken in case of emergency situations.	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
It's not expected to transport in bulk	

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
1999/13/EC (VOC directive)
- 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
- 15.2 Chemical Safety Assessment
not available

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.
 - R37 Irritating to respiratory system.
 - R41 Risk of serious damage to eyes.
 - R50 Very toxic to aquatic organisms.
 - H314 Causes severe skin burns and eye damage.
 - H335 May cause respiratory irritation.
 - H290 May be corrosive to metals.
 - H312 Harmful in contact with skin.
 - H318 Causes serious eye damage.
 - H302 Harmful if swallowed.
 - H400 Very toxic to aquatic life.

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.
- Regulation (EC) nr 648/2004 and CE N. 907/2006 (Detergents).
- Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.
- Directive 91/271/EEC and 91/676/CEE (protection of waters) and subsequent amendments.
- 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.

Main bibliographic sources:

- The ISS National Inventory of Chemical Substances (INSC)
- ESIS: European chemical Substances Information System and Environmental hazard classification.
- Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)
- ACGIH - TLV's for 2010
- 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:

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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.