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

- 1.1. Product identifier
Mixture identification
Trade name: CLEANER 2000
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Detergent for hard surfaces.
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
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.
 -  Warning, STOT SE 3, May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:
No other hazards

- 2.2. Label elements
Hazard pictograms:



Danger

Hazard statements:
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary statements:
P280 Wear eye 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.
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.

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Special Provisions:

EUH210 Only for professional use. Safety data sheet available on request.

Contents

2-AMINOETHANOL
SODIUM METASILICATE PENTAHYDRATE
2-PROPYLHEPTANOL ETHOXYLATED PROPOXYLATED
QUATERNARY C12-14 ALKYL METHYL AMINE ETHOXYLATED METHYL CHLORIDE

Product contents:

cationic surfactants, soap, phosphates, non-ionic surfactants < 5 %

The product also contains:

Allergens:

Preservatives:

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:

>= 5% - < 7% 2-AMINOETHANOL

REACH No.: 01-2119486455-28, Index number: 603-030-00-8, CAS: 141-43-5, EC: 205-483-3

 3.2/1B Skin Corr. 1B H314

4.1/C3 Aquatic Chronic 3 H412

 3.8/3 STOT SE 3 H335

 3.1/4/Oral Acute Tox. 4 H302

 3.1/4/Dermal Acute Tox. 4 H312

 3.1/4/Inhal Acute Tox. 4 H332

>= 3% - < 5% SODIUM METASILICATE PENTAHYDRATE

REACH No.: 01-2119449811-37, CAS: 10213-79-3, EC: 229-912-9

 2.16/1 Met. Corr. 1 H290

 3.2/1B Skin Corr. 1B H314

 3.8/3 STOT SE 3 H335

>= 1% - < 3% 2-PROPYLHEPTANOL ETHOXYLATED PROPOXYLATED

CAS: 166736-08-9

 3.3/1 Eye Dam. 1 H318

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 3.1/4/Oral Acute Tox. 4 H302

>= 1% - < 3% QUATERNARY C12-14 ALKYL METHYL AMINE ETHOXYLATED METHYL CHLORIDE

CAS: 863679-20-3

 3.1/4/Oral Acute Tox. 4 H302

 3.2/2 Skin Irrit. 2 H315

 3.3/1 Eye Dam. 1 H318

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

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:

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

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 all sources of ignition.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Provide adequate ventilation.
- Use appropriate respiratory protection.
- 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.
 - Use localized ventilation system.
 - 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 in area dedicated to alkali products, keep away from acids and oxygen based oxidants.
 - Store away from sunlight.
 - 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
 - 2-AMINOETHANOL - CAS: 141-43-5
 - EU - LTE(8h): 2,5 mg/m³, 1 ppm - STE: 7,6 mg/m³, 3 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
 - ACGIH - LTE(8h): 3 ppm - STE: 6 ppm - Notes: Eye and skin irr
 - DNEL Exposure Limit Values
 - 2-AMINOETHANOL - CAS: 141-43-5
 - Worker Industry: 1 mg/kg - Consumer: 0.24 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 - Worker Industry: 3.3 mg/m³ - Consumer: 2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term (repeated)
 - Consumer: 3.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
 - SODIUM METASILICATE PENTAHYDRATE - CAS: 10213-79-3

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Worker Industry: 6.22 mg/m³ - Consumer: 1.55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 1.49 mg/kg - Consumer: 0.74 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/d
Consumer: 0.74 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/d

PNEC Exposure Limit Values

SODIUM METASILICATE PENTAHYDRATE - CAS: 10213-79-3

Target: Marine water - Value: 1 mg/l

Target: Fresh Water - Value: 7.5 mg/l

Target: Air - Value: 7.5 mg/l

Target: Microorganisms in sewage treatments - Value: 1000 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:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

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:	Clear liquid, fluorescent yellow	--	--
Odour:	Technical	--	--
Odour threshold:	Evident	--	--
pH:	> 13,0	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	>= 100 °C	--	--
Flash point:	> 65 °C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.045 g/ml	--	--

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Solubility in water:	Total	--	--
Solubility in oil:	Partial	--	--
Partition coefficient (n-octanol/water):	< 1000	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	< 10 cP	--	--
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	Not Relevant	--	--

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:
 - N.A.
 - Toxicological information of the main substances found in the mixture:
 - SODIUM METASILICATE PENTAHYDRATE - CAS: 10213-79-3
 - a) acute toxicity:
 - 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 - Source: bw
 - 2-PROPYLHEPTANOL ETHOXYLATED PROPOXYLATED - CAS: 166736-08-9
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat = 300 mg/kg
 - QUATERNARY C12-14 ALKYL METHYL AMINE ETHOXYLATED METHYL CHLORIDE - CAS: 863679-20-3
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg
 - 2-AMINOETHANOL - CAS: 141-43-5
 - LD50 (RAT) ORAL: 2100 MG/KG

LD50 (RABBIT) SKIN: 1000 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 METASILICATE PENTAHYDRATE - CAS: 10213-79-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 210 mg/l - Duration h: 96 - Notes: Brachydanio rerio

Endpoint: EC50 - Species: Daphnia = 1700 mg/l - Duration h: 48 - Notes: Daphnia magna

2-PROPYLHEPTANOL ETHOXYLATED PROPOXYLATED - CAS: 166736-08-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 10.1 mg/l - Duration h: 96 - Notes: Brachydanio rerio

Endpoint: EC50 - Species: Daphnia = 10.1 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 10.1 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

QUATERNARY C12-14 ALKYL METHYL AMINE ETHOXYLATED METHYL CHLORIDE - CAS: 863679-20-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 10.1 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1.1 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 1.1 mg/l - Duration h: 72

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. 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: 1760
IATA-UN Number: 1760
IMDG-UN Number: 1760
- 14.2. UN proper shipping name
ADR-Shipping Name: CORROSIVE LIQUID, N.O.S. (2-aminoethanol, sodium metasilicate pentahydrate)
ADR-Shipping Name: Corrosive liquid n.o.s. (Contains Sodium Trioxosilicate, 2-Aminoethanol, 2-Diethylaminoethanol solution)
IATA-Shipping Name: CORROSIVE LIQUID, N.O.S. (2-aminoethanol, sodium metasilicate pentahydrate)
IMDG-Shipping Name: CORROSIVE LIQUID, N.O.S. (2-aminoethanol, sodium metasilicate pentahydrate)
- 14.3. Transport hazard class(es)
ADR-Class: 8
ADR-Label: 8
ADR - Hazard identification number: 80
IATA-Class: 8
IATA-Label: 8
IMDG-Class: 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
Rail (RID): 8
ADR-Subsidiary risks: -
ADR-S.P.: 274
ADR-Tunnel Restriction Code: (E)
IATA-Passenger Aircraft: 852
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 856
IATA-S.P.: A3 A803
IATA-ERG: 8L
IMDG-Page: 87
IMDG-EmS: F-A , S-B
IMDG-Subsidiary risks: -
IMDG-MFAG: ed. 2000
IMDG-Storage category: Category A
IMDG-Storage notes: Clear of living quarters.
- 14.7. Transport in bulk according to Annex II of Marpol 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. 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:

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)

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

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.
H335 May cause respiratory irritation.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H290 May be corrosive to metals.
H318 Causes serious eye damage.
H315 Causes skin irritation.

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 6: Accidental release measures
SECTION 7: Handling and storage
SECTION 8: Exposure controls/personal protection
SECTION 9: Physical and chemical properties
SECTION 11: Toxicological information
SECTION 12: Ecological information
SECTION 14: Transport information
SECTION 15: Regulatory information

Safety Data Sheet

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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.
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.
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.