



SANUSLIFE® INTERNATIONAL GmbH / Srl
39100 Bozen / Bolzano (Italy)

Section 1: Identification of the substance / preparation and of the company

- 1.1 Product identifier** ECAIA+ allhygienics
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- 1.2.1 Relevant uses** Hygienizer. Cleaning preparation pursuant to Art. 1 of Reg. (EC) No. 648/2004
- 1.2.2 Uses advised against** None known

1.3 Details of the supplier of the data sheet

Company

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Technical Information
Safety Data Sheet**

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1.4 Emergency Phone

Poison Control Centers in Italy

Centro Antiveleni "Osp. Pediatrico Bambino Gesù"
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Tel. +39 06 68593726

Az. Osp. Univ. Foggia
V.le Luigi Pinto, 1
71122 Foggia
Tel. +39 0881732326

Az. Osp. "A. Cardarelli"
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Centro Antiveleni Policlinico "Umberto I"
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Centro Antiveleni Policlinico "A. Gemelli"
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00168 Rome
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Az. Osp. "Careggi" U.O. Tossicologia Medica
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Tel. +39 055 7947819

Centro Antiveleni Centro Nazionale di Informazione Tossicologica
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24127 Bergamo
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Section 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

2.2 Label elements: The product complies with the EU Regulation 1272/2008.
 No classification is required

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms none.

Signal word none.

Hazard statements none.

Precautionary statements none.

Cleaning product (648/2004 / EC): approx. 0.13g/100g sodium hypochlorite

2.3 Other hazards

Human health dangers No particular hazards known.

Environmental hazards The product/substance has the Water Hazard Class 1.

SECTION 3: Composition / Information on ingredients

3.1 Product-type:

The product is a mixture

Range [%]	Substance
<2	Sodium chloride CAS: 7647-14-5, EINECS/ELINCS: 231-598-3
0.13	Sodium hypochlorite CAS: 7681-52-9, EINECS/ELINCS: 231-668-3, EU-INDEX: 017-011-00-1 GHS/CLP: Met. Corr. 1: H290 – Skin Corr. 1B: H314 – Aquatic Acute 1: H400, M = 10 EEC: C-N, R 31-34-50
<0.0002	Sodium hydroxide CAS: 1310-73-2, EINECS/ELINCS: 215-185-5, EU-INDEX: 011-002-00-6 GHS/CLP: Skin Corr. 1A: H314 – Met. Corr. 1: H290 EEC: C, R 35

Comment on component parts Substances of Very High Concern - SVHC (Candidate List of Substances of Very High Concern for authorization): Contains no or less than 0.1% of the listed substances.
 The full text of H-Statement and R-phrases: see SECTION 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Remove and wash contaminated clothing before reuse.

Inhalation Ensure supply of fresh air.

Skin contact When in contact with the skin, clean with soap and water.
 Consult a doctor if skin irritation persists.

Eye contact In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion Do not induce vomiting.
 Rinse out water and give plenty of water to drink.
 Supply with medical care.

4.2 Most important symptoms and effect, both acute and delayed

no Information available.



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4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

Extinguishing media that must not be used Full water jet

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products. Chlorine compounds.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Fire residues and contaminated fire-fighting runoff water must be disposed of in accordance with local official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance with waste disposal and other applicable regulations, and with environmental protection regulations.

6.4 Reference to other sections

For personal protection see Section 8
For disposal, see Section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
The normal safety precautions for handling chemicals must be observed.

Do not eat or drink when working
Remove and wash contaminated clothing before reuse
The product can bleach fabrics.
The product is non-flammable.
No special fire-fighting measures are required.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with acids.
Keep container tightly closed.
Keep container in a well-ventilated place.
Keep in a cool place.

Lagerklasse (storage class according to

TRGS 510, Germany): LGK 12: Non-flammable liquids



7.3 Specific end use(s) See product use, SECTION 1.2.

SECTION 8: Exposure controls / personal protection

8.1	Control parameter	not applicable.
8.2	Exposure controls	
	Additional advice on system design	Ensure adequate ventilation on workstation.
	Eye and face protection	Eye glasses with side protection DIN-/EN-Norms: DIN / EN 166 Recommendation: VWR 111-0432
	Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. Nitrile rubber gloves (EN 374) Recommendation: VWR 111-0432
	Skin protection	light protective clothing.
	Other protective measures	Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipment to chemicals should be ascertained with the respective supplier.
	Respiratory protection	If ventilation insufficient, wear respiratory protection. Short term, filter apparatus, filter A. Respiratory protection required in the case of: aerosol or fog formation Suitable respiratory protection: full / half / quarter mask (DIN EN 136/140) Recommendation: VWR 111-0206 Suitable material: A2B2E2K2P3 Recommendation: VWR 111-0059
	Thermal hazards	not applicable.
	Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1	Information on basic physical and chemical properties	
	Form	liquid
	Color	clear
	Odor	chlorine
	Odor threshold	not determined
	pH-value	9.0
	pH-value [1%]	not determined
	Boiling point [°C]	not determined
	Flash point [°C]	not applicable
	Flammability [°C]	not applicable
	Lower explosion limit	not applicable
	Upper explosion limit	not applicable
	Oxidizing properties	no
	Vapour pressures/gas pressure [kPa]	not determined
	Density [g/ml]	1,019
	Bulk density [kg/m³]	not applicable
	Solubility in water	soluble
	Partition coefficient [n-octanol/water]	not determined
	Viscosity	not determined



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Relative Vapor density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	non applicable
Decomposition temperature [°C]	non determined
9.2 Other information	No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity	No data available. No dangerous reactions known under normal conditions of use.
10.2 Chemical Stability	Stable under normal environmental conditions (room temperature).
10.3 Possibility of hazardous reactions	Reactions with oxidizing agents. Sodium hypochlorite: evolution of chlorine when combined with acids
10.4 Conditions to avoid	High temperatures.
10.5 Incompatible materials	Reactions with oxidizing agents. Sodium hypochlorite: evolution of chlorine when combined with acids.
10.6 Hazardous decomposition products	Chlorine compounds.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity

Substance
Sodium chloride, CAS: 7647-14-5 LD 50, oral, rat: 3000 mg/kg (IUCLID)
Sodium hydroxide, CAS: 1310-73-2 LD 50, oral, rat: 2000 mg/kg (Lit.)
LD 50, dermal, rabbit: 1350 mg/kg (IUCLID)
Sodium hypochlorite, CAS: 7681-52-9 LD 50, oral, rat: >5000 mg/kg (IUCLID)
LD 50, inhalative, rat: >10.5 mg/l (IUCLID)

Serious eye damage / irritation	not determined.
Skin corrosion/irritation	not determined.
Respiratory or skin sensitization	not determined.
Specific target organ toxicity - single exposition	not determined.
Specific target organ toxicity - repeated exposition	not determined.
Mutagenicity	not determined.
Reproduction Toxicity	not determined.
Carcinogenicity	not determined.
General remarks	Toxicological data of complete product are not available. The rules for classification according to the CLP Regulation apply.

SECTION 12: Ecological information

12.1 Toxicity

Substance



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Sodium chloride, CAS: 7647-14-5
LC50, (96 h), <i>Lepomis macrochirus</i> : 9675 mg/l (IUCLID)
EC50, (48 h), <i>Daphnia magna</i> : 1000 mg/l (IUCLID)
Sodium hydroxide, CAS: 1310-73-2
LC 50, (96 h), Fish: 35-189 mg/l
LC50, (96 h), <i>Oncorhynchus mykiss</i> : 45.4 mg/l (IUCLID) (50%)
EC50, (24 h), <i>Daphnia magna</i> : 76 mg/l (50%)
Sodium hypochlorite, CAS: 7681-52-9
LC50, (96 h), Fish, 0,01-01 mg/l
EC50, (48 h), <i>Daphnia magna</i> : 0.01-0.1 mg/l

12.2 Persistence and degradability

Behavior in environment	not determined.
Behavior in sewage plant	not determined.
Biological degradability	The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential No information available.

12.4 Mobility in soil No information available.

12.5 Results of PBT and vPvB assessment Based on all available information not to be classified as PBT/vPvB respectively.

12.6 Other adverse effects Ecological data of complete product are not available.
 The rules for classification according to the CLP Regulation apply.
 Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EG as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue EWC since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product	for recycling, consult manufacturer.
Waste Catalog No. (recommended)	060314 Solid salts and solutions other than those mentioned in 060311* and 060313*.
Contaminated packaging	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Waste Catalog No. (recommended)	150102.

SECTION 14: Transport information

14.1 UN-Number	See Section 14.2 in accordance to UN shipping name.
14.2 UN proper shipping name	
Transport by land according to ADR/RID	NO DANGEROUS GOOD
Inland Marine transport in accordance with IDMG	NO DANGEROUS GOOD
Transportation by sea (IMDG)	NOT CLASSIFIED AS DANGEROUS GOODS
Air transport in accordance with IATA	NOT CLASSIFIED AS DANGEROUS GOODS
14.3 Transport Hazard class(es)	See Section 14.2 in accordance to UN shipping name
14.4 Packing group	See Section 14.2 in accordance to UN shipping name
14.5 Environmental hazards	See Section 14.2 in accordance to UN shipping name.



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14.6 Special precautions for user Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC-Code

Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

ECC-REGULATIONS

2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; 528/2012

TRANSPORT-REGULATIONS

ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013)

- VOC (1999/13/CE)

0%

Other regulations

Not applicable

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

The data given are those on the active ingredients

16.1 Hazard statements (Code and full text as indicated in SECTION 3)

H 400: Very toxic to aquatic life.
H 314: Causes severe burns and eye damage.
H 290: May be corrosive to metals.

16.2 Abbreviations and acronyms :

ADR = Accord européen relatif au transport international des marchandises dangereuses par route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
AVV = Abfallverzeichnis-Verordnung
BGI = Berufsgenossenschaftliche Informationen
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50 %
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50 %
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®/STEL = Threshold limit value – short time exposure limit
TRGS = Technische Regeln für Gefahrstoffe
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

AwSV = Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Order on facilities handling water pollutants)

16.3 Other information

Not applicable



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