

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

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

- 1.1 Product identifier

- Trade name **Sanosil Clean TW**

- UFI: N49D-9T2H-CWKX-Q12

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

For details on the identifiable uses according to EC-regulation No. 1907/2006 see annex of this safety data sheet.

- **Application of the substance / the mixture** Basic chemical (without special defined application)

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Sanosil Service GmbH

Marktoberdorfer Straße 44 b

86956 Schongau

Tel: 08861 – 910 98 00

Fax: 08861 – 910 98 09

info@sanosil-service.de

Internet <http://www.sanosil-service.de>

- **Informing department:** Product safety department

- 1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Met. Corr.1 H290 May be corrosive to metals.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS05

- Signal word Danger

- Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

- Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 1)

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 [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with harmless additions

- Dangerous components:

CAS: 7647-01-0 EINECS: 231-595-7 Index number: 017-002-01-X Reg.nr.: 01-2119484862-27	hydrochloric acid Met. Corr.1, H290; Skin Corr. 1B, H314; STOT SE 3, H335 Specific concentration limits: Skin Corr. 1B; H314: C ≥25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 % STOT SE 3; C ≥ 10 %	≥2.5-<10%
CAS: 7664-38-2 EINECS: 231-633-2 Index number: 015-011-00-6 Reg.nr.: 01-2119485924-24	phosphoric acid Met. Corr.1, H290; Skin Corr. 1B, H314; Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1B; H314: C ≥25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	≥2.5-<10%
CAS: 79-14-1 EINECS: 201-180-5	hydroxyacetic acid Skin Corr. 1B, H314; Acute Tox. 4, H332	≥1-≤2.5%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	≤2.5%

- Regulation (EC) No 648/2004 on detergents / Labelling for contents

phosphates	≥5 - <15%
non-ionic surfactants	<5%

- Additional information

For the wording of the listed hazard phrases refer to section 16.

— EUE —

(Contd. on page 3)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 2)

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- **General advice:** In case of unconsciousness bring patient into stable side position for transport.

- After inhalation

In case of unconsciousness bring patient into stable side position for transport.

Supply fresh air; consult doctor in case of symptoms.

- After skin contact

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

- After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

- **After swallowing** Rinse out mouth and then drink plenty of water.

- Information for doctor

Cave Lungenödem nach (oft symptomarmer) Latenzzeit von 2 Tagen; Dexamethason-Behandlung. Symptomatische Behandlung. Infektionsprophylaxe.

- 4.2 Most important symptoms and effects, both acute and delayed

Burning effect and pain to eyes, skin and mucous membranes. After swallowing serious irritation to oral cavity and throat as well as danger of perforation of the gullet.

- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- Suitable extinguishing agents

Product is non-flammable. Use fire fighting measure that suit the surroundings.

Use fire fighting measures that suit the environment.

- 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire:

phosphorus oxide (POx)

Hydrogen chloride (HCl)

Leaked out product reacts with base metal under development of hydrogen gas. Evaporated product irritates eyes and respiratory tracts.

organic decomposition products

- 5.3 Advice for firefighters

- Protective equipment:

Wear self-contained breathing apparatus.

Wear full protective suit with self-contained breathing apparatus.

- Additional information

Cool endangered containers with water spray jet.

Endangered containers in the surrounding area should be cooled with a water-hose.

EUE

(Contd. on page 4)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 3)

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothes.

Ensure adequate ventilation

Wear protective equipment and keep unprotected persons away.

- 6.2 Environmental precautions:

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

If large amounts are released, the authorities must be informed.

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Contaminated material has to be disposed as waste (see item 13).

- 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Danger of burning is possible

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

Prevent formation of aerosols.

- Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

- 7.2 Conditions for safe storage, including any incompatibilities

- Storage

Store in cool, dry conditions in well sealed containers.

- Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

Store only in the original container.

Unsuitable materials: many metallics and metallic alloys

- Information about storage in one common storage facility:

Store away from metals.

Store away from oxidising agents.

- Further information about storage conditions: Keep container tightly sealed.

- Storage class 8 B L (VCI - Konzept, 2007)

- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Additional information about design of technical systems: No further data; see item 7.

(Contd. on page 5)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 4)

- Components with critical values that require monitoring at the workplace:		
7647-01-0 hydrochloric acid		
IOELV (EU)	Short-term value: 15 mg/m ³ , 10 ppm Long-term value: 8 mg/m ³ , 5 ppm	
7664-38-2 phosphoric acid		
IOELV (EU)	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³	
- DNELs		
7647-01-0 hydrochloric acid		
Inhalative	DNEL (worker)	15 mg/m ³ (Acute, local effects) 8 mg/m ³ (Long-term - local effects)
7664-38-2 phosphoric acid		
Inhalative	DNEL (worker)	2.92 mg/m ³ (Long-term - local effects)
	DNEL (population)	0.73 mg/m ³ (Long-term - local effects)
67-63-0 propan-2-ol		
Oral	DNEL (population)	26 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	888 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	319 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	500 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	89 mg/m ³ (Long-term, systemic effects)
- PNECs		
7647-01-0 hydrochloric acid		
PNEC	0.045 mg/l (intermittent releases) 0.036 mg/l (freshwater) 0.036 mg/l (marine water) 0.036 mg/l (sewage plant)	
67-63-0 propan-2-ol		
PNEC water	140.9 mg/l (freshwater) 140.9 mg/l (marine water)	
PNEC	2,251 mg/l (sewage plant)	
PNEC sediment	552 mg/kg dw (freshwater) 552 mg/kg dw (marine water)	
PNEC	140.9 (intermittent releases)	
PNEC soil	28 mg/kg (soil)	

- Additional information: The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Personal protective equipment

- General protective and hygienic measures

Keep away from food, beverages and fodder.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

(Contd. on page 6)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 5)

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment:

In case of dizzying-dust breathing protection is required

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- Recommended filter device for short term use:

Combination filter E-P2

Combination filter B-P2

- Protection of hands:

To avoid skin problems reduce the wearing of gloves to the required minimum.

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

Natural rubber, NR, recommended thickness: ≥ 1 mm, penetration time: ≥ 480 min.

Chloroprene rubber, CR, recommended thickness of the material: ≥ 0.7 mm, penetration time: ≥ 480 min.

Butylrubber, BR, recommended thickness of the material: ≥ 0.7 mm, penetration time: ≥ 480 min.

Fluorocarbon rubber (Viton), recommended thickness of the material: ≥ 0.7 mm, penetration time: ≥ 480 min.

Polyvinylchlorid (PVC), recommended thickness of the material: ≥ 0.7 mm, penetration time: ≥ 480 Min.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

Note information regarding permeation rate, penetration times and the degradation supplied by the manufacturer of gloves just as workplace-specific conditions.

Change gloves if notice sign of disenchantment.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- For the permanent contact gloves made of the following materials are suitable:

Attention! Due to conditions (stressing, temperature) the practical usage of chemical protective gloves may be much shorter than the permeation time according to EN 374.

- Eye protection: *Tightly sealed safety glasses.*

- Body protection:

Protective work clothing.

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

— EUE —

(Contd. on page 7)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 6)

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties	
- General Information	
- Appearance:	
Form:	Liquid
Colour:	Colourless
- Smell:	Odourless
- Odour threshold:	Not determined.
- pH-value:	ca. 1
- Melting point/freezing point:	Not determined
- Initial boiling point and boiling range:	Not determined
- Flash point:	Product is non-flammable nor potentially explosive
- Inflammability (solid, gaseous)	Not applicable.
- Ignition temperature:	(lowest level for individual components)
- Decomposition temperature:	Not determined.
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not potentially explosive
- Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
- Vapour pressure:	Not determined.
- Density	Not determined
- Relative density	Not determined.
- Vapour density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility with Water:	Fully miscible
- Partition coefficient: n-octanol/water:	Not determined.
- Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
- Solvent content:	
Organic solvents:	1.3 %
Water:	77.7 %
Solids content:	0.0 %
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity see section 10.3

(Contd. on page 8)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 7)

- 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions

Diluting or dissolving in water always causes rapid heating

With (concentrated) leach: fierce neutralising reaction among heat release (danger of extruding); by dilution with water also strong warming; with many metals intense corrosion under formation of hydrogen gas (Danger of fire and explosion).

- 10.4 Conditions to avoid No further relevant information available.

- 10.5 Incompatible materials:

alkalies

Bases, base metal

Aluminium, zinc and other light metals.

- 10.6 Hazardous decomposition products:

Reaction in contact with metal forming hydrogen.

Hydrogen chloride (HCl)

Chlorine

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects

- Acute toxicity Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:

7647-01-0 hydrochloric acid

Dermal	LD50	>5,010 mg/kg (rabbit)
--------	------	-----------------------

7664-38-2 phosphoric acid

Oral	LD50	1,250 mg/kg (rat)
------	------	-------------------

Dermal	LD50	2,740 mg/kg (rabbit)
--------	------	----------------------

67-63-0 propan-2-ol

Oral	LD50	4,570 mg/kg (rat)
------	------	-------------------

Dermal	LD50	>2,000 mg/kg (rabbit)
--------	------	-----------------------

		13,400 mg/kg (rab)
--	--	--------------------

Inhalative	LC 50 / 4 h	30 mg/l (rat)
------------	-------------	---------------

- Primary irritant effect:

- Skin corrosion/irritation

Causes severe skin burns and eye damage.

- Serious eye damage/irritation

Causes severe skin burns and eye damage.

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

- Subacute to chronic toxicity:

- STOT-repeated exposure:

67-63-0 propan-2-ol

Oral	NOAEL	900 mg/kg (rat) ((90d) OECD 408)
------	-------	----------------------------------

- Additional toxicological information: irritant

(Contd. on page 9)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 8)

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

7647-01-0 hydrochloric acid

LC 50 / 96 h	3.25 mg/l (Lepomis macrochirus)
EC 50 / 48 h	4.92 mg/l (Daphnia magna)
EC 50 / 72 h (static)	4.7 mg/l (Chlorella vulgaris) (OECD 201)
EC 50 / 3 h	5-5.5 mg/l (activated sludge (DEV - L2)) (OECD 209 (Activated Sludge, Resp. Inhibition Test))

7664-38-2 phosphoric acid

LC 50 / 96 h	98-106 mg/l (Lepomis macrochirus)
EC 50 / 48 h	>100 mg/l (Daphnia magna) (OECD 202)
EC 50 / 72 h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC / 72 h	100 mg/l (Desmodesmus subspicatus) (OECD 201)

67-63-0 propan-2-ol

LC 50 / 48 h	>100 mg/l (Leuciscus idus)
EC 50 / 48 h	>100 mg/l (Daphnia magna)
EC 50 / 72 h	>100 mg/l (Scenedesmus subspicatus)

- **12.2 Persistence and degradability** There is no information on the product available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**

- **General notes:**

Do not allow to enter drainage system, surface or ground water
Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

(Contd. on page 10)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 9)

- Recommendation

A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal, e.g. neutralisation.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- Uncleaned packagings: Disposal must be made according to official regulations.

- Recommendation:

After complete emptying and cleaning, send to be reconditioned or recycled.

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

- Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

- 14.1 UN-Number	
- ADR/RID, IMDG, IATA	UN1760
- 14.2 UN proper shipping name	
- ADR/RID	1760 CORROSIVE LIQUID, N.O.S. (glycollic acid, HYDROCHLORIC ACID)
- IMDG, IATA	CORROSIVE LIQUID, N.O.S. (glycollic acid, HYDROCHLORIC ACID)
- 14.3 Transport hazard class(es)	
- ADR/RID	
- Class	8 (C9) Corrosive substances.
- Label	8
- IMDG, IATA	
- Class	8 Corrosive substances.
- Label	8
- 14.4 Packing group	
- ADR/RID, IMDG, IATA	II
- 14.6 Special precautions for user	Warning: Corrosive substances.
- Kemler Number:	80
- EMS Number:	F-A,S-B
- Segregation groups	Acids
- Stowage Category	B
- Stowage Code	SW2 Clear of living quarters.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

(Contd. on page 11)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 10)

- Transport/Additional information:	
- ADR/RID	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- UN "Model Regulation":	UN 1760 CORROSIVE LIQUID, N.O.S. (GLYCOLLIC ACID, HYDROCHLORIC ACID), 8, II

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard statements**
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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 [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

(Contd. on page 12)

EUE



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 11)

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Regulation (EC) No 273/2004 on drug precursors**

7647-01-0	hydrochloric acid	3
-----------	-------------------	---

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

7647-01-0	hydrochloric acid	3
-----------	-------------------	---

- **National regulations**

- **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **UFI market placements:**

- **Relevant phrases**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Met. Corr. 1: Corrosive to metals – Category 1

(Contd. on page 13)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.03.2022

Version number 102

Revision: 15.03.2022

Trade name Sanosil Clean TW

(Contd. of page 12)

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

- * **Data compared to the previous version altered.**

- **ANNEX**

Exposure Scenarios:

Industrial Uses

Professional uses

Consumer end use

EUE