



NAUTILUS FIBERGLASS CLEANER

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

- 1.1 Product identifier

Trade name: **NAUTILUS FIBERGLASS CLEANER**

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

Abrasive detergent mixture for fiberglass.

Uses advised against: None.

1.3 Details of the supplier of the safety data sheet

Company Cecchi Gustavo & C. srl –
Via M. Coppino 253, 55049 Viareggio (LU) ITALY
www.cecchi.it - info@cecchi.it

1.4 Emergency number

Information in case of emergency: +39 0584 383694 - From monday to friday office hours 8:30 – 12:30,
14:00 – 18:30

SECTION 2: Hazards identification

2.2 Classification of substance or mixture (REGULATION (EC) No 1272/2008)

The mixture is classified as hazardous under the provisions of Regulation 1272/2008/ EC and following amendments and adjustments.

GHS05 GHS07 H302 H318

2.3 Labelling (REGULATION (EC) No 1272/2008)

The mixture is classified as hazardous under the provisions of Regulation 1272/2008/ EC and following amendments and adjustments.

Hazard pictograms :



Signal word : Warning

Hazard statements :

H302 Toxic if swallowed

H318 Causes serious eye damage

Precautionary statements : Prevention:

P264 Wash hands thoroughly after handling

P280 Wear protective gloves. Protect the eyes.

P301/312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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 get medical advice in case of exposure.

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

Contains: Sodium Lauryl Sulfate

See Section 16 for the full text of the hazard of the listed substances .

Other hazards

The use of this chemical entails the obligation of "Risk Assessment" by the employer in accordance with the provisions of the DLgs. April 9th 2008 n. 81. Workers exposed to this chemical agent are not subjected to health checks if the results of the risk assessment show that, depending on the type and amount of chemical agent and the method and frequency of exposure to this agent, there is only a "Moderate risk" to the health and safety of workers and that the measures provided by the DLgs are sufficient to reduce the risk.

**3. Composition/information on ingredients**

Chemical Name	Index Number	CAS-No. EC-No. Registration number	CE Number	Classification (1272/08/ue)	Reach Registration Number	%
Silicon (iv) Oxide	-	7631-86-9	231-545-4	Substance subjectec to control of exposure/individual proection	01-2119379499-16-XXXX	50 - 75
Dihydrated Oxalic Acid	607-006-00-8	6153-56-6	205-634-3	GHS05 GHS07 Pericolo H312 H302 H318	01-2119534576-33-XXXX	15-25
Aluminum (III) Oxide	-	1344-28-1	215-691-6	GHS09 Pericolo H332 H302 H318	Sostanza non soggetta a registrazione Reach	5 - 10
Sodium lauril sulfate	-	85586-07-8	287-809-4	GHS05 GHS07 Pericolo H332 H302 H335 H315 H318	01-2119489463-28-XXXX	1 - 2

SECTION 4: First aid measures**4.1 Description of first aid measures**

If inhaled: Move to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration by trained personnel. Do not give any drug orally. Administer oxygen by trained personeel only. If unconscious place in recovery position and seek medical advice.

If swallowed : If conscious wash the mouth with water, if unconscious show this safety data sheet to the doctor in attendance. Keep patient warm and at rest.Do not induce vomiting.

In case of skin contact : If on clothes, remove them immediately. Remove the product from skin as it cause severe burns on it. Wash off immediately with soap and plenty of water or a good cutaneous cleaner. Do not use solvents or thinners.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for some minutes. Remove contact lents, if worn. Rinse for at list 15 minutes with plenty of water. If eye irritation persists, consult a specialist.

First aid service:

Ensure that eyewash stations and safety showers are close to the workstation location.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Prolonged exposure to high concentrations can cause discomfort and ulceration of the nasal cavities.

Ingestion: Ingestion of the mixture can cause pain. The burning sensation extends from the pit of stomach throughout the esophagus. Vomiting is often a slimy mucus, where later can be found some blood and scraps of tissue.

Skin contact: There is not necessarily an immediate sensation of irritation or pain. Primary irritation: dermatitis. Possible small burns with temporary hair loss. Deterioration of keratinous material. Intracellular edema. Severe burns, corrosion of the tissue, and deep ulcerations.

Eye contact: The mixture is irritating for the eyes. Contact with the eyes causes desquamation of the conjunctiva and corneal epithelium, corneal opacity, marked edema, ulceration; severe eye burns.

4.3 Indication of any immediate medical attention and special treatment needed

Inhalation: call a physician

Ingestion: call a physician

Skin Contact: call a physician

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Eye Contact: call a physician

First aid service:

Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable Extinguishing media: The mixture is non-flammable. Fire-fighting measures should be taken to the materials that are nearby. Recommended: alcohol-resistant foam, CO₂, powders, water spray.

Unsuitable Extinguishing media: Avoid contact of the product with water as it produces a high exothermic reaction.

Extinguishing protection media: The presence of the product does not require the adoption of special precautions.

5.2 Special hazards arising from the substance or mixture

Specific hazards : None (Incombustible)

Specific hazards during firefighting: Avoid breathing products of combustion.

5.3 Advice for firefighters

Equipment in case of fire: Hardhat with visor, fireproof clothing (fireproof jacket and trousers with bands around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove any sources of ignition and ventilate the area. Avoid breathing vapor or mist.

6.2 Environmental precautions

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

Try to prevent the material from entering drains or water courses.

6.3 Methods and material for containment and cleaning up

Cleaned with the use of water only after collecting the spilled product. Avoid the use of solvents. In case of contamination of lakes, rivers or sewage, inform appropriate authorities in accordance with applicable law.

6.4 Reference to other sections

see sections 7, 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid creating dust and use in the presence of acids and water. Do not handle the substance in the presence of incompatible substances or mixtures. When handling do not release the substance in the environment: avoid spillage and minimize the dispersion in the discharge.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep in a dry, cool and well ventilated place. Avoid any spillage and keep containers tightly closed. Avoid contact with acid or water, to prevent a high exothermic reaction.

Suitable Packaging: cardboard and polyethylene. Plastic fabric and polyethylene.

Unsuitable Packaging: common steel.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Dihydrated Oxalic Acid

DNEL (GLOB): 1,14 mg/kg – Syst. Eff.._LT_Oral_Population

DNEL (GLOB): 0,69 mg/cm² – Loc. Eff.._BT_Dermal_Workers

DNEL (GLOB): 2,29 mg/kg - Syst. Eff._LT_Dermal_Workers

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DNEL (GLOB): 4,03 mg/m³ - Syst. Eff._LT_Inhalation_ Workers
DNEL (GLOB): 0,35 mg/cm² - Eff.loc._BT_Dermal_Population
DNEL (GLOB): 1,14 mg/kg - Syst. Eff._LT_Dermal_Population
DNEL (GLOB): 0,1622 mg/l – Fresh water
DNEL (GLOB): Value : 0,1622 mg/l – Sea Water
DNEL (GLOB): Value : 1,622 mg/l – Intermittent release
DNEL (GLOB): Value : 1550 mg/l - STP
TLV/STEL (GLOB): 2 mg/m³
TLV/TWA (GLOB): 1 mg/m³

Silicon (iv) Oxide

OSHA PEL: 6 mg/m³
TWA - ACGIH TLV: 10 mg/m³

Aluminum (III) Oxide

OSHA PEL: 5 mg/m³ TWA

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system effective ventilation in all processing areas.
If none, use adequate protection media.

Hands Protection:

Use protective gloves nitrile rubber or polyethylene.

For right choice of glove materials, focus on chemical resistance and time of penetration, seek suppliers of chemical resistant gloves. Apply the Directive 89/89/EEC and the standard (EN 374). Barrier fat creams may protect exposed areas of the skin but should not be applied after exposure.

Eye protection:

Use dust resistant glasses fully adjustable, in case of the presence of dust.

Respiratory protection:

If workers are exposed to concentrations above the exposure limit, use appropriate, certified respirators. In the case of application of product by spray, only with very low pressure, preventing atomisation is indicated the use of masks with carbon filters for dust and solvents. (Such as filter combination A2-P2-EN 141). In confined spaces use compressed air or fresh air respiratory equipment. In close spaces use compressed air or breathing apparatus.

Skin protection:

Wear suitable protective equipment.

Hygienical suggestion: Do not eat and / or drink in the workplace.

SECTION 9: Physical and chemical properties

Appearance :	solid in grain form
Colour :	white/gray
Odour :	odorless
Odour Threshold :	not determined
pH :	6-7 (water solution – 20C°)
Melting point/freezing point :	not determined
Boiling point/boiling range :	not determined
Flash point :	not determined
Evaporation rate :	not determined
Flammability (solid, gas):	not flammable
Upper/Lower explosion and flammability limit :	not determined
Vapour pressure :	not determined
Relative vapour density :	not determined

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Density :	0.5 – 1.2 kg/dm ³
Solubility(ies) :	not determined
Hydrosolubility:	mixture with lower solubility in water
Partition coefficient: noctanol/water:	not determined
Auto-ignition temperature :	not determined
Thermal decomposition :	not determined
Viscosity Viscosity:	not determined
Explosive properties :	not explosive mixture
Oxidizing properties :	not oxidant or combustion mixture

SECTION 10: Stability and reactivity

10.1 Reactivity

The mixture is not reactive under normal conditions of use (see section 7).

10.2 Chemical stability

The mixture is stable under normal conditions of use (see section 7).

10.3 Possibility of hazardous reaction

The mixture reacts with oxidizing and reducing agents in general.

10.4 Conditions to Avoid

Exposure to moisture, keep away from oxidizing and reducing agents in general. See section 10.1. and 10.3.

10.5 Incompatible material

Contact with oxidizing and reducing agents in general.

10.6 Hazardous decomposition products

CO, CO₂, formic acid.

SECTION 11: Toxicological information

Substance: Dihydrated Oxalic Acid

11.1 Information on toxicological effects

Effects: The substance may cause burning, redness, ophthalmia, eye irritation, nasal membranes and oral cavity irritation. If ingested in large amounts can cause vomiting.

Type of exposure: Ingestion and skin contact.

Acute toxicity

Oral LD₅₀: Mouse: 375 mg/kg

Skin LD₅₀: Rabbit: 20000 mg/l

Corrosion / Skin irritation	Data not available
Serious eye damage / eye irritation	Data not available
Respiratory or skin sensitization	Data not available

Mutagenicity:	Product is not classified as mutagenic (Ames test: negative)
Teratogenicity:	Not classified teratogenic.
Carcinogenesis:	Product is not classified as carcinogenic.

Specific target organ toxicity (STOT) No data available.

Specific target organ toxicity (STOT) No data available.

Danger in case of aspiration Data not available

Substance Silicon (IV) oxide

11.1 Information on toxicological effects:

Effects : The substance silicon (IV) oxide is irritating to skin and eyes under experimental conditions, but may nevertheless cause dryness after repeated and prolonged exposure.

Type of exposure: inhalation, oral and skin.

Acute toxicity

Oral LD₅₀: Mouse: > 5000 mg/kg

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Hinalation LC50: Mouse: > 2000 mg/m3
Skin LD50: Mouse: > 3000 mg/kg

Corrosion / Skin irritation
Serious eye damage / eye irritation
Respiratory or skin sensitization

Not corrosive substance
Not irritant substance
Not sensitive substance

Mutagenicity:
Teratogenicity:
Carcinogenesis:

Product is not classified as mutagenic
Not classified teratogenic.
Product is not classified as carcinogenic (IARC group 3)

Specific target organ toxicity (STOT)
Specific target organ toxicity (STOT)

No data available.
NOAEL (CRONIC ORAL) ~ 2500 mg/kg bw/day (repeated exposure).

LOAEL (cronic oral) ~ 5 mg/m3 (5 days)

Danger in case of aspiration

Data not available

Substance

Aluminum (III) Oxide

11.1 Information on toxicological effects:

Effects : The substance Aluminum (III) Oxide) is not irritating skin or eyes

Type of exposure: Oral.

Acute toxicity

Oral LD50: Mouse: > 5000 mg/kg

Corrosion / Skin irritation
Serious eye damage / eye irritation
Respiratory or skin sensitization

OECD TEST 404 (Rabbit): not irritating substance.
OECD TEST 405 (Rabbit): not irritating substance
Not available data

Mutagenicity:
Teratogenicity:
Carcinogenesis:

Product is not classified as mutagenic
Not classified teratogenic.
Product is not classified as carcinogenic (ACGIH A4 GROUP)

Specific target organ toxicity (STOT)
Specific target organ toxicity (STOT)
Danger in case of aspiration

No data available.
No data available.
Data not available

Substance

Sodium Lauryl Sulfate

11.2 Information on toxicological effects:

Effects : Inhalation and ingestion of this product is harmful. This product can cause irritation of the upper respiratory tract, eyes and skin. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and vomiting.

In severe cases, inhalation of this product may cause larynx and bronchial edema and irritation, chemical pneumonia and pulmonary edema. Ingestion of even small amounts of product may cause serious health problems (stomach pain, nausea, vomiting, diarrhea). This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Skin contact: if used as a degreasing agent, it may cause cracking of skin and eczema;

Eye contact: irritation of the eyes and mucous membranes.

Ingestion: Harmful if swallowed;

Inhalation: Dust in high concentrations may irritate the respiratory system.

Type of exposure: Oral

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Acute toxicity

Oral LD50: Mouse: 1800 mg/kg

Corrosion / Skin irritation

Data not available

Serious eye damage / eye irritation

Data not available

Respiratory or skin sensitization

Data not available

Mutagenicity:

Product is not classified as mutagenic

Teratogenicity:

Not classified teratogenic.

Carcinogenesis:

Product is not classified as carcinogenic (ACGIH A4 GROUP)

Specific target organ toxicity (STOT)

No data available.

Specific target organ toxicity (STOT)

No data available.

Danger in case of aspiration

Data not available

SECTION 12: Ecological information

12.1 Toxicity Product:

Dihydrated Oxalic Acid

EC50 – crustacean (daphnia magna) 162.2mg/l/48h

LC50 – fish (ccarassius auratus) 160 mg/l/48h

12.2 Persistence and degradability

Abiotic degradation: No data available

Decomposition products: No data available.

Biodegradation: 89% - 20 days - Substance readily biodegradable

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

Water: at neutral pH it forms aggregates with water.

Soil: it forms stable silicates of various kinds or remains such as it is.

12.5 Results of PBT and vPvB assessment

The substance Dihydrated Oxalic Acid is not considered as a substance PBT and or vPvB.

12.6 Other adverse effects

No data available

12.1 Toxicity Product:

silicon (IV) oxide

LC50 – fish (brachydanio rerio) > 10000 mg/l/96h

EC50 – crustacean (cerodaphnia dubia) 7600 mg/l/48h

12.2 Persistence and degradability

Abiotic degradation: No data available

Decomposition products: No data available.

Biodegradation: No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

Water: at neutral pH it forms aggregates with water.

Soil: it forms stable silicates of various kinds or remains such as it is.

12.5 Results of PBT and vPvB assessment

The substance silicon (IV) oxide is not considered as a substance PBT and or vPvB.

12.6 Other adverse effects

No data available

12.1 Toxicity Product:

Aluminum (III) Oxide

NOEC – fish (salmo trutta) > 100 mg/l/96h

NOEC – crustacean (daphnia magna) > 100 mg/l/48h

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12.2 Persistence and degradability

Abiotic degradation: No data available

Decomposition products: No data available.

Biodegradation: 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

The substance Aluminum (III) Oxide is not considered as a substance PBT and or vPvB.

12.6 Other adverse effects

No data available

12.1 Toxicity Product:

Sodium Lauryl Sulfate

EC50 aquatic invertebrates (Daphnia magna): > 10 mg/l (48h)

12.2 Persistence and degradability

Abiotic degradation: No data available

Decomposition products: No data available.

Biodegradation: 88-96 % at least (OECD 301-E);
63-95 % (Closed Bottle Test);
64-96 % Sturm (OECD 301 B).

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The substance Sodium Lauryl Sulfate is not considered as a substance PBT and or vPvB.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

Apply local, national and regulations. Container hazardous when empty. Do not dispose into drains.

Contaminated packaging can be re-used only after cleaning them with water.

Contaminated packaging, empty containers should be disposed as per local, national and regulations or taken to an approved waste incineration plant.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport ADR - RID – ADN - IMO/IMDG - IATA/ICAO regulations.

SECTION 15: Regulatory information

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

Regulation EC 1907/2006 (REACH) and subsequent updates and modifications;

Regulation EC 1272/2008 (CLP) and subsequent amendments and modifications;

Regulation EC 453/2010.

Pre-register REACH: Substance included in the list of pre-registered substances, published by the European Chemicals Agency (ECHA), in compliance with Article 28 of Regulation EC 1907/2006 (REACH) and subsequent updates and modifications More information: <http://apps.echa.europa.eu/preregistered/pre-registered-sub.aspx>

SVHC substances subjected to authorization, included in Annex XIV of Regulation EC 1907/2006 (REACH) and subsequent updates and changes: None.

SVHC candidate substances to be included in Annex XIV of Regulation EC 1907/2006 (REACH) and subsequent updates and changes: None.



15.2 Chemical Safety Assessment

The supplier has not made and provided a chemical safety assessment.

SECTION 16: Other information

Description of hazard presented in Section 2.

H302 Toxic if swallowed

H318 Causes serious eye damage

Description of safety phrases shown in section 2.

P264 Wash hands thoroughly after handling

P280 Wear protective gloves. Protect the eyes.

P301/312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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 get medical advice in case of exposure.

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

Description of hazard presented in Section 3.

H302 Toxic if swallowed

H312 Harmful in contact with skin

H315 Causes skin irritation

H318 Causes serious eye damage

H332 Harmful if inhaled

H335 May cause respiratory irritation

Legislation and Reference Sources:

EC regulation 1907/2006 (REACH) and subsequent updates and modifications;

Regulation EC 1272/2008 (CLP) and subsequent amendments and modifications;

Regulation EC 453/2010.

Agreement concerning the international carriage of Dangerous goods by Road (ADR). Règlement concernent le Transport International Ferroviaire des Marchandises Dangereuses (RID). International Carriage of Dangerous Goods by Inland Waterways (ADN). International Maritime Dangerous Goods Code (IMDG Code). International Air Transport Association (IATA). IUCLID Chemical Data (ESIS/CE). NIOSH Occupational Health Guidelines for Chemical Hazards TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.

Changes from the previous version:

Application Regulation EC 1907/2006 (REACH) and subsequent updates and modifications;

Application Regulation EC 1272/2008 (CLP) and subsequent amendments and modifications;

Application Regulation EC 453/2010.

The information in this document are based on the knowledge available at the time of compilation, the requirements related to safety and the proper use of the product. Consequently, Cecchi Gustavo & C. does not assume responsibility for conduct not consistent with the information provided here, for unauthorized use, incorrect or improper or, in the case of resale, for lack of information to end users.

Users are directly responsible for the obligation to comply with laws on hygiene and safety and waste disposal company. Finally, it informs that the characteristics are expressed herein in order to indicate the safety and emergency actions and not be construed as an indication or guarantee of specific quality.