

Stainless steel cleaner

Revision n. 000003
Revision date: 26/06/2014



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY /UNDERTAKING*

1.1. Identification of the substance

Code:	[SSC212] 484000008423 - [SSC213] 484000008493 - [SSC214] 484000008940
Denomination	Stainless steel cleaner
Chemical name and synonyms	

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

Use of the substance/preparation: inox cleaner detergent.

Registration number: N.A. as mixture.

1.3. Information about manufacturer of Safety data sheet

Company name	Synt Chemical S.r.l.
Address	Via Armando Gagliani, 5
City and Country	40069 Zola Predosa (BO) - ITALIA
Telephone	Tel. 051 752332 - Fax 051 754945
e-mail of the safety responsible person	laboratorio@syntchemical.it
responsible of material data sheet	Dr. Silvano Invernizzi

1.4. Emergency telephone number

For urgent safety information call the Anti-Poison Center of your country. Check the emergency list on page 15.

2. HAZARD IDENTIFICATION.*

2.1. Classification of the preparation or mixture.

The mixture is NOT classified as dangerous according to Regulation (CE) 1272/2008 (CLP) (and following amendments or revision).

For this reason the products requires a safety data sheet conform to directive of regulations (CE) 1907/2006 and modifications.

Further information on human health and/or environmental risk is detailed in section 11 and 12 of this document.

Classification and symbol:

Risk category: none

H-phrase: none

Full test of R-phrase and Hazard is detailed in section 16 of this document

SDS121200660UK

2.2. Data on Label.

Danger labeling according to Regulation (CE) 1272/2008 (CLP) (and following revision and amendments)

CLP pictograms: none

Hazard Statements: none

Precautionary Statements: none

MORE INFORMATIONS:

COMPONENTS CONFORM TO REGULATION CE N.648/2004

Contains: nonionic surfactants <5%

Other components: perfumes.

2.3. Other hazards.

None

3. COMPOSITION/INFORMATION ON INGREDIENTS.*

3.1. Substances

Not applicable.

3.2. Mixture.

Contains

Identification	CAS	EC	INDEX	REGISTRATION	Conc. %	Classification according to 67/548/CEE	Classification according to 1272/2008 (CLP)
1-METHOXYPROPAN-2-OL	107-98-2	203-539-1	NA	01-2119457435-35	7 - 10 %	R10, R67	Flam.Liq.3;H226 ·STOTSE3;H336
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	203-905-0	603-014-00-0	01-2119475104-44	5 - 8 %	Xn R20/21/22 Xi ; R 36/38	Acute Tox 4 (Inhalation - vapour) H332 Acute Tox 4 (oral) H302 Acute Tox 4 (dermal) H312 Skin Irrit. 2 H315 Eye Irrit. 2 h319
*ALKYLPOLYGLYCOSIDE C8-10, D-GLUCOPYRANOSE, OLIGOMERIC, DECYL OCTYL GLYCOSIDES	68515-73-1	500-220-1	NA	01-2119475108-36-0005 / 01-2119475108-36	0,04 - 0,1 %	Xi, R41	Aquatic chronic 3 H412, Eye Irrit. 1 H318

T+ = Very toxic(T+), T = Toxic (T), Xn = Harmful(Xn), C = Corrosive (C), Xi = Irritant(Xi), O = Oxidising (o), E = Explosive(E), F+ = Extremely Flammable (F+), F = Easily Flammable (F)

* *Components listed because have a Working exposure Limit (Section 8)

Full test of R-phrase and H phrase is detailed in section 16 of this document

4. FIRST AID MEASURES.

Take off immediately all contaminated clothing. If unconsciousness may be possible move away to fresh air, give oxygen or artificial respiration if needed. Personal protective equipment for first aid responders is recommended.

4.1. First aid instructions.

EYES: Wash immediately, thoroughly with plenty of water for at least 10 minutes holding the eyelids apart. After protect eyes with sterile and dry gauze or cotton. Consult an ophthalmologist.

SKIN: Wash off immediately with plenty of water. Take off immediately all contaminated clothing. Wash immediately with plenty of water. Seek medical advice. Wash contaminated clothing before using.

INHALATION: Move to fresh air and keep warm and rest. If respiration is difficult, seek immediately medical advice. Keep victim in the lateral safety position. Remove tight clothes as ties, shirt collars, belts or bands.

INGESTION: rinse immediately the mouth. Seek immediately medical advice. Keep victim resting in a position that helps respiration. Do not induce vomiting. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Do not give anything to the person if unconscious and without medical authorization.

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

For symptoms and effects caused to the contained substances refer to point 11.

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

If incident occur, seek medical advice immediately and following instructions. If possible show Safety information.

5. FIREFIGHTING MEASURES.

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Use the classic ones for example chemical powder or type CO₂. They are useful also to extinguish vehicles involved in the fire.

UNSUITABLE EXTINGUISHING MEDIA:

None particular.

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of gas spread from explosion or fires. In case of fire can release CO₂, carbon dioxide. For more information refer to section 10.

5.3. Advice for fire-fighter.

GENERAL INFORMATION

Keep persons not authorised and without adequate protections far from the dangerous area.

Stop the spilling if possible. Cool other container, or product from a well-protected position to avoid heating and overheating. Act always in security.

If a leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapour and to protect personnel attempting to stop a leak. Wear always the complete protective fire-fighting equipment. Contain the water used to extinguish the fire and avoid they can reach the sewers. Dispose the contaminated water in accordance with local and national regulations

PROTECTIVE EQUIPMENT

Protective helmet with shield visor, fireproof clothes (jacket and trousers with bands around arms, legs and sides), security gloves (fire resistant, cut resistant and dielectric), overpressure mask with full face-piece or with a compressed air breathing apparatus in case of large quantity of fumes.

6. ACCIDENTAL RELEASE MEASURES.

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate the area. Provide the adequate ventilation.

Avoid any source of ignition (cigarettes, flames, sparks, etc.) in the area of spilling. Stop the spilling in case of no dangers. Do not handle damaged containers or spilled product without wearing the adequate protective equipment. Do not breath vapour or fogs. Individuals without appropriate protective equipment should be excluded from area of spill until clean-up has been completed. For further information about risk on human health, environment and protective equipment, refer to other section of this document.

6.2. Environmental precautions.

Avoid release into sewerage, surface water and groundwater. Advise immediately authorities in case of loss or spilling.

6.3. Methods and material for containment and cleaning up.

Soak up with inert absorbent material (sand, diatomaceous earth, Kieselguhr, etc.)

Contain and collect the product and place in a container for disposal. Clean spill area thoroughly with water. Well ventilated the area. Disposal of contaminated materials according to section 13.

6.4. Reference to other sections.

Information regarding personal protective equipment and its disposal (if needed) is given in sections 8 and 13.

7. HANDLING AND STORAGE.

7.1. Precautions for safe handling.

Keep away from food and drinks. Do not swallow the product. Use appropriate grounding and bonding practices. Operate in well-ventilated area. Provide a good ventilation of the area. . Avoid contact with skin, eyes and do not breathe the vapours. Wear adequate individual protective apparatus (consult section 8). Do not smoke, eat and drink in the area where product is handles.

7.2. Conditions for safe storage, including any incompatibilities.

Store in a cool, well-ventilated area, away from direct sunlight. Keep away from ignition sources, naked flames and sparks. Store in ventilated are and at temperature lower than 50°C. Store far from incompatible products as oxidizing agents. For more information consult section. 10.

7.3. Specific end use.

Inox cleaner detergent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.*

8.1. Control parameters.

Description	Parameters	Country	TWA/8h mg/m ³	ppm	STEL/15min mg/m ³	ppm	Note
1-METHOXYPROPAN-2-OL	OEL	IT	375	100	558	150	Skin
	TLV-ACGIH			100		150	
ETHYLENE GLYCOL MONOBUTYL ETHER	OEL	EU	98	20	246	50	Skin
	TLV-ACGIH		98	20			A3

A3 Recognized cancerogenous on animals with importance unknown on human being

Agent resulted cangerogenous on animal from test at really high concentration, and for administration methods of histologic one, or with methods that cannot be relevant for workers. The available epidemiologic tests do not confirm the increase of cancer risk for exposed man.

The available knowledge do not let suppose that the agent may cause cancer on men.

1-methoxypropan-2-ol ; Nr. CAS : 107-98-2

Specific: DNEL (EC)

Parameter: systemic effects, long term exposure Inhalation (workers)

Value: 369 mg/m³

Version Date:

Specific: DNEL (EC)

Parameter: local effects, short term exposure Inhalation (workers)

Value: 553,5 mg/m³

Version Date:

Specific: DNEL (EC)

Parameter: systemic effects, long term exposure Dermal (workers)

Value: 50,6 mg/kg

Version Date:

Specific: DNEL (EC)
Parameter: systemic effects, long term exposure Inhalation (population)
Value: 43,9 mg/m³
Version Date:

Specific : DNEL (EC)
Parameter: systemic effects, long term exposure Dermal (population)
Value: 18,1 mg/kg
Version Date:

Specific: DNEL (EC)
Parameter: systemic effects, long term exposure Oral (population)
Value: 3,3 mg/kg
Version Date:

Specific: PNEC (EC)
Parameter: Saltuary emission
Value: 100 mg/l
Version Date:

Specific: PNEC (EC)
Parameter : Sediment (fresh water)
Value: 100 mg/l
Version Date:

Specific: PNEC (EC)
Parameter: Sediment (marine water)
Value: 5,2 mg/kg
Version Date:

Specific : PNEC (EC)
Parameter: Soil
Value 5,49 mg/kg
Version Date:

Specific: PNEC (EC)
Parameter: Fresh water
Value: 10 mg/l
Version Date:

Specific : PNEC (EC)
Parameter: Marine water
Value: 1 mg/l
Version Date:

ETHYLENE GLYCOL MONOBUTYL ETHER

Specific: TRGS 903 – Biologic limit value (D)
Parameter: butoxyacetic acid/urine/for prolonged exposure:
Value: 100 mg/L
Version date: 31/03/2004

DNEL

worker:

Long term exposure – systemic effects, dermal: 75 mg/kg

worker:

Long term exposure - systemic effects, Inhalation: 20 ppm

user:

Long term exposure - systemic effects , dermal: 38 mg/kg

user:

Long term exposure - systemic effects, oral: 3,2 mg/kg

user:

Short term exposure - local effects, Inhalation: 123 mg/m³

user:

Long term exposure - systemic effects, Inhalation: 49 mg/m³

D-Glucopyranose, oligomeric, decyl octyl glycosides: CAS 68515-73-1

DNEL

Informations are based on main component solubilized.

Components with DNEL

CAS 68515-73-1: D-Glucopyranose, oligomeric, decyl octyl glycosides

Worker: Long term exposure - systemic effects, dermal: 595000 mg/kg

Worker: Long term exposure - systemic effects, Inhalation: 420 mg/m³

User: Long term exposure - systemic effects, dermal: 357000 mg/kg

User: Long term exposure - systemic effects, oral: 35,7 mg/kg

User: Long term exposure - systemic effects, Inhalation: 124 mg/m³

PNEC

Informations are based on main component solubilized.

Components with PNEC

68515-73-1: D-Glucopyranose, oligomeric, decyl octyl glycosides

Fresh water: 0,1 mg/l

Salt water: 0,01 mg/l

Saltuary emission: 0,27 mg/l

Depuration plant: 560 mg/l

Sediment (fresh water): 0,487 mg/kg

Sediment (salt water): 0,048 mg/kg

Soil: 0,654 mg/kg

Oral (secondary poisoning): 111,11 mg/kg

8.2. Exposure controls

As the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust ventilation or by removing stale air. If you exceed the threshold value or one or more of the substances in the preparation due to daily exposure in the work environment or a fraction determined by the corporate prevention and security service, wear an appropriate breathing mask. Refer to the product label for further details. Request further information to chemicals supplier about proper protective equipment. Protective equipment must fulfill Legislation requirement. Organise the installation of emergency eyes shower near the working place.



HANDS PROTECTION

Protect your hands with work gloves, category II (Directive 89/686/EEC and EN 374) such as PVC, PVA, neoprene, nitrile, PTFE viton latex, or equivalent. For the definitive selection of the material used for the work gloves, the following factors should be considered: degradation, breakage time and permeation. In the case of preparations, glove resistance should be tested before use because it is not foreseeable. The gloves have a durability that depends on the duration of exposure



EYES PROTECTION

Wear goggles that adhere to the skin (see standard EN 166).

SKIN PROTECTION

Use protective working wear with long and safe shoes for professional use of category II (see directive 89/686/CEE and EN 344). Wash with water and soap after removal of protective clothes.



RESPIRATORY PROTECTION

If you exceed the threshold value of one or more of the substances in the preparation due to daily exposure in the work environment or a fraction determined by the corporate prevention and security service, wear filter for gas/vapours of organic compounds, type EN 14387 type A. The use of respiratory protective equipment such as masks fitted with an organic vapours filter and dust/mist, is necessary in the absence of technical measures to limit worker exposure. Nonetheless, the masks provide limited protection.

In the case where the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in case of emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% in volume, where an open circuit compressed-air self-respirator (Standard EN 137) or an external air-uptake respirator to be used with full face mask, half face mask or mouthpiece (ref. Standard EN 138).

9. PHYSICAL AND CHEMICAL PROPERTIES.*

9.1. Information on basic physical and chemical properties.

Appearance	Liquid
Colour	Colourless
Odour	Perfumed
pH as it is	9,8-10,0
Melting point/freezing point	NA (not available)
Melting point	NA (not available)
Evaporation rate	NA (not available)
Flash point	➤ 65°C v.c.
Self flammability	NA (not available)
explosive limits	Not explosive
Decomposition temperature	NA (not available)
Relative density at 20°C	1,0 g/mL
Solubility in water	Soluble
Liposolubility	NA (not available)
Partition coefficient: n-octanol/water	NA (not available)
Vapour pressure	NA (not available)
Vapours density	NA (not available)
Oxydizing property	Not oxidizer

NA = not available because not determined on mixture

9.2. Other information.

None

10. STABILITY AND REACTIVITY.

10.1. Reactivity.

May form in hot temperature conditions explosive mixture with the air and strongly react with oxidizers.

10.2. Chemical stability

Product is stable in normal condition of use and storage.

10.3. Possibility of hazardous reactions.

In normal condition of use and storage are not expected dangerous reactions. Avoid contact with incompatible materials. May react with oxidizers.

10.4. Conditions to avoid.

Anyhow keep normal cautions for chemical products. Avoid overheating, electric discharges and any source of ignition. Avoid contact with oxidizers (oxygen, nitrous oxide, chlorite, and fluorine), strong mineral acids, the formation of explosive mixture with air and the contact with any kind of source of ignition. Avoid overheating of the products and the packaging.

10.5. Incompatible materials.

Oxidizing agents and strong mineral acids.

10.6. Hazardous decomposition products.

In case of fire or decomposition may release carbon oxides (CO₂, CO).

11. TOXICOLOGICAL INFORMATION.*

11.1. Information on toxicological effects.

No events of damage to users is known. Anyhow, in case of necessity, follow the general instructions and acting in good industrial hygiene. The compound, in extremely sensible subjects, may cause light effects on health for exposure to inhalation and/or skin absorption and/or contact with eyes or/and skin

1-METHOXYPROPAN-2-OL

Acute toxicity: practically not toxic for single exposure. Practically not toxic for a single inhalation. Practically not toxic for a single contact with skin. Inhalation of a mixture vapor-air highly saturated does not present an acute risk

Experimental/calculated data:

LD50 (oral): > 5000 mg/kg, rat (BASF test)

Inhalation Risk Test (IRT): Inhalation of a mixture vapor-air highly saturated does not present an acute risk (no mortality in 7 hours)

LD50 (Skin): about 13000 mg/kg (rabbit)

Irritation: not irritating to skin. Not irritating to eyes.

Experimental/calculated data:

Corrosion/irritation of rabbit skin: not irritating (BASF test)

Serious damage to eyes/eyes irritation rabbit: not irritating (BASF test)

Sensitization of respiratory tract/of skin: not sensitization appeared from test on animal. Test on Guinea Pig: not sensitization.

Mutagenicity on germinal cells: the substance had not mutagenicity effects on bacteria. No mutagenicity effect appeared from substance on mammal.

Reproductive toxicity: the result of study on animal does not show damaging effects on fertility.

Teratogenity: tests on animal do not show fetus damages. Experience on human being: high concentration causes a narcotic effect.

ETHYLENE GLYCOL MONOBUTYL ETHER

LD50 (Oral): 200 – 2000 mg/kg (rat)

LD50 (skin): 400 – 2000 mg/kg (rat)

LC50 (Inhalation): 2 – 20 mg/L/4 h (rat)

More information: irritation appeared on animal test.

68515-73-1: D-Glucopyranose, oligomeric, decyl octyl glycosides

Acute toxicity

Evaluation of acute toxicity:

Nearly not toxic for a single contact with skin.

Nearly not toxic for a single ingestion.

Experimental data/calculated:

DL50 rat (oral): > 5.000 mg/kg (OECD – Guideline 401)

DL50 rabbit (dermal): > 2.000 mg/kg (OECD - Guideline 402) Irritation.

Evaluation of irritating effect: Risk of severe damage to eyes.

Not irritating to skin.

Experimental data/calculated:

Corrosion/irritation to rabbit skin: lightly irritant. (Guideline OECD 404)

Severe damage to eyes/eyes irritation rabbit: irreversible damages (Guideline OECD 405) Sensitization to respiratory tract/skin

Evaluation of sensitizing effect: No sensitizing action.

Experimental data/calculated:

Guinea pig: not sensitizer (OECD - Guideline 406)

Mutagenicity on germinal cells

Evaluation of mutagenicity:

The substance is not resulted mutagenetic on bacteria.

Experimental data/calculated:

Ames test

Bacteria: negative (OCSE – directive guideline 471)

Cancerogenicity

Evaluation of cancerogenicity:

Any available information gives indication of a possible cancerogenous effect.

Reproductive toxicity

Evaluation of reproductive toxicity:

Basing on available informations, there is no effect of reproductive toxicity.

Toxic for growth.

Evaluation of teratogenicity:

The substance has caused no malformations on test on animals.

Specific Target Organ Toxicity (single exposure)

Evaluation STOT single:

Basing on available informations, no Specific Target Organ Toxicity after a single exposure is expected.

Toxicity of repeated dose and specific target organ toxicity (repeated exposure)

Evaluation of toxicity after repeated subadministration:

No adverse effects appeared on studies on animals after repeated oral exposure.

Danger in case of aspiration

No risk of aspiration is expected.

12. ECOLOGICAL INFORMATION.*

Use according good working practice; avoid spreading the product into environment

Advise immediately authorities in case of lose or spilling.

12.1. Toxicity.

1-METHOXYPROPAN-2-OL

The product probably is not harmful for aquatic organisms.

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

LC50 (96 h) > 4600 mg/L, *Leuciscus idus* (DIN 38412 part 15, static). Nominal concentration.

LC50 (48 h) > 500 mg/L, *Daphnia magna* (Directive 79/831/ECC, static). Nominal concentration.

EC50 (72 h): > 1000 mg/L *Scenedesmus subspicatus* (growth inhibition test). Nominal concentration.

EC50 (3 h): > 1000 mg/L, active mud, domestic (OECD – guideline 209). Nominal concentration. Indication from Literature

ETHYLENE GLYCOL MONOBUTYL ETHER

EC50 (24 h): > 100 mg/L (*Daphnia magna*)

EC50 (7 d): > 100 mg/L (algae)

LC50 (96 h): > 100 mg/L (Fish)

68515-73-1: D-Glucopyranose, oligomeric, decyl octyl glycosides

Fish toxicity:

CL50 > 100 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)

Aquatic invertebrates:

CE50 > 100 mg/l, Daphnia magna (OECD - Guideline 202, part 1)

Aquatic plants:

CE50 > 10 - 100 mg/l, Scenedesmus subspicatus (Directive 88/302/CEE, part C, p 89)

Microorganisms/Effects on active muds:

CE0 > 100 mg/l, Pseudomonas putida (OECD - guideline 209)

CE0 > 100 mg/l, Pseudomonas putida (DIN 38412 part 8)

Chronic toxicity on fish:

NOEC > 1 - 10 mg/l, Brachydanio rerio (guideline OECD 204)

Chronic toxicity for aquatic invertebrates:

NOEC, > 1 - 10 mg/l, Daphnia magna (OECD - guideline 202, part 2)

12.2 Persistence and degradability

No data available for mixture.

ETHYLENE GLYCOL MONOBUTYL ETHER: Easily biodegradable.

1-METHOXYPROPAN-2-OL

Easily biodegradable according to OECD criteria. Disposal consideration: 90-100% (28 d), aerobic, active muds (OECD 301E/92/69/ECC, C 4-B)

68515-73-1: D-Glucopyranose, oligomeric, decyl octyl glycosides

Evaluation of the elimination and biodegradability (H2O): Easily biodegradable (according to OECD criteria).

Disposal consideration:

(Annex III, part A) The contained surfactant(s) in this formulated is(are) conform to biodegradability criteria as regulation (CE) about detergents N. 648/2004. Supporting data are at disposal of Competent Authorities of Member Countries and provided after request or on request of manufacturer of the formulated.

12.3. Bio accumulative potential.

No data available for mixture.

1-METHOXYPROPAN-2-OL: No accumulation on organisms is expected basing on Partition coefficient: n-octanol/water

ETHYLENE GLYCOL MONOBUTYL ETHER: The product has low potential for bioaccumulation.

68515-73-1: D-Glucopyranose, oligomeric, decyl octyl glycosides

Evaluation of bioaccumulation potential:

It is not expected a considerable accumulation on organisms.

12.4. Mobility in soil.

No data available for mixture.

ETHYLENE GLYCOL MONOBUTYL ETHER: the product has a high mobility.

68515-73-1: D-Glucopyranose, oligomeric, decyl octyl glycosides

Evaluation of the transfer rates between environmental compartments:

The substance does not evaporate into the atmosphere from water surface.

It is not expected the absorption to solid phase of soil.

The product is not fully tested. The statement has been derived from products of a similar structure or composition.

12.5. Results of PBT and vPvB assessment.

No data available for mixture.

1-METHOXYPROPAN-2-OL: according to Annex XIII of Regulation (EC) N.1907/2006 concern the registration, the evaluation, the authorization and restriction of chemical substances (REACH), does not require the classification criteria as substance PBT (persisting/bioaccumulable/toxic).

ETHYLENE GLYCOL MONOBUTYL ETHER: this product is not, and does not contain, substance classified PBT or vPvB.

68515-73-1: D-Glucopyranose, oligomeric, decyl octyl glycosides

In conformity to Annex XIV of Regulation 1907/2006/CE about Registration Evaluation Authorisation and Restriction of chemical substances (REACH): the products does not contain substances PBT (Persistent, bioaccumulative and toxic) or vPvB (Very Persistent and very Bioaccumulative) Autoclassification.

12.6. Other adverse effects.

No data available for mixture.

1-METHOXYPROPAN-2-OL: the product does not contain organic halogen absorbable. A correct emission of small concentrations in adapted biologic depuration plants should not cause inconvenient to degradation for active muds.

ETHYLENE GLYCOL MONOBUTYL ETHER: Adsorbible Organic Alogenates (AOX): the product does not contain organic alogenated.

13. DISPOSAL CONSIDERATIONS.

13.1. Waste treatment methods

Recycle, if possible. Act in accordance with local and national regulations. Refer to current national legislation. Do not release into sewerage. Do not pollute watercourses. Residues have to be considered as dangerous waste.

CONTAMINATED PACKAGING

Indications: empty containers shall not be released to the environment.

Remarks: user has to ensure that no other regional or national rules are in force

14. TRANSPORT INFORMATION

Product not classified dangerous for transport

Road and Railway Transport:

Shipping transport:

Air transport:

15. REGULATORY INFORMATION.*

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

This document has been written following scheme and rules of below Directive and Regulation

It is underlined that this mixture is for food application, hence it is out of the scope of the below Legislation.

1. Directive 1999/45/EC and following amendments;
2. Directive 67/548/EEC and following amendments;
3. Regulation (EC) 1907/2006 of European Parliament (REACH) and following amendments
4. Regulation (EC) 1272/2008 of European Parliament (CLP) and following amendments

When applicable, refer to following directive: D.Lgs. 21 September 2005 n. 238 (Directive Seveso Ter)

Seveso class. 6

Restriction related to the mixture or contained substance, according to Annex XVII, Regulation EC 1907/2006. Point 3

Substance in Candidate List (Art. 59 REACH). None

Substance edified for Authorization (Annex XIV REACH). None

Sanitary controls.

Workers exposed to this chemical agent must be monitored far health issues according to Legislation.

15.2. Chemical safety assessment.

Not available on mixture

16. OTHER INFORMATION.*

Full Danger and H-phrase indicated in section 2-3 of this document

Flam Liquid 3 Flammable liquid, category 3
Eye Irrit. 1 Irritation to eyes, category 1
Eye Irrit. 2 Irritation to eyes, category 2
Skin Irrit. 2 Skin irritation, category 2
STOT SE 3 Specific target organ toxicity — single exposure, category 3
Acute Tox. 4 Acute toxicity, category 4
Aquatic Chronic. 3, Dangerous to aquatic environment, chronic toxicity category 3
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin
H315 Causes skin irritation.
H318 Causes severe damage to eyes
H319 Causes serious eye irritation
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects

Full Danger and R-phrase indicated in section 2-3 of this document

R10: FLAMMABLE.
R20/21/22: HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED
R36/38: IRRITATING TO EYES AND SKIN.
R41: RISK OF SERIOUS DAMAGE TO EYES
R67: VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

LITERATURE:

1. The Merck Index. Ed. 10
2. Handling Chemical Safety
3. Niosh - Registry of Toxic Effects of Chemical Substances
4. INRS - Fiche Toxicologique
5. Patty - Industrial Hygiene and Toxicology
6. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

List of abbreviations :

ACGIH : American Conference of Governmental Industrial Hygienists
CSR : Report of Chemical Security
DNEL: Derived No-Effect Level.
DMEL: Derived Minimal Effect Levels
EC50: Effective concentration, 50%.
EL50 : Effective Loading, 50%.
EPA: Environmental Protection Agency
IC50: Inhibitory Concentration, 50%
LC50: Lethal Concentration, 50%.
LD50: Lethal Dose, 50%.
LL50: Lethal Loading, 50%
LL0: Lethal Loading, 0%
LOAEL: Low Observed Adverse Effects Level.
LOAEC: Low Observed Adverse Effects Concentration.
NOEC: No Observed Effects Concentration.
NOEL: No Observed Effects Level. .
NOAEL: No Observed Adverse Effects Level. .
NOELR: No Observed Effect Loading Rate.
OECD: The Organisation for Economic Co-operation and Development
TLV-TWA : Threshold Limit Value - Time Weight Average
N/A: Not applicable

PBT: Persistent, bioaccumulative and toxic.

SNC: Central Nervous System

STOT: Specific Target Organ Toxicity

(STOT) RE: Specific target organ toxicity – repeated exposure

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

PNEC: Predicted No-Effect Concentration.

TLV-STEL: threshold limit value - Short-term exposure limit

UVCB: Substances of Unknown or Variable composition, Complex reaction products or Biological materials.

vPvB: Very Persistent and very Bioaccumulative.

WAF = Water Accomodated Fraction

Note for the user:

The information on this sheet is based on information that was available at our premises as of the date of the last version.

The user must make sure such information is complete in relation to the specific use being made of the product.

Said document must not be interpreted as a guarantee of any specific property of the product. Since the use of the product is not under our direct control, it is the responsibility of the user to observe the law and other provisions in force on matters of health and safety. We shall not be held liable for any improper uses.

Stainless steel cleaner



INGREDIENTS SHEET

COMPONENT IUPAC	INCI NAME	CAS	Pharmacopea name	EINECS	%
Water	AQUA	7732-18-5	aqua	231-791-2	> 10
1-methoxypropan-2-ol	METHOXYISO- PROPANOL	107-98-2	-	203-539-1	1-10
2-butoxyethanol	BUTOXYETHA- NOL	111-76-2	-	203-905-0	1-10
2,2',2''-Nitrilotriethanol	TRIETHANOLA- MINE	102-71-6	-	203-049-8	1-10
D-Glucopyranose, oligomers, decyl octyl glycosides	CAPRYLYL/CA- PRYL GLUCO- SIDE	68515-73-1	-	500-220-1	0,1-1
Isotridecanol, ethoxylated, polymer	-	9043-30-5	-	500-027-2	0,1-1
Perfume and aromatic compositions and their raw materials	PARFUM	-	-	-	0,1-1

Emergency telephone numbers

For urgent safety information call the Anti-Poison Center of your country:

	COUNTRY	CUSTOMER SERVICE NR.	ANTI-POISON CENTER NR.
	AUSTRIA	(0043) 050 6700 200	(0043) 01 406 43 43
	BELGIUM	0032 (0)2 263 33 33	(0032) 070 245 245
	CZECK REP.	(00420) 840 111 313	(00420) 224 91 54 02
	DENEMARK	(0045) 44880280	(0045) 82121212
	FINLAND	(09) 61336 235	(09) 471977
	FRANCE	(0033) 0892 700 150	(0033) 01 40 05 48 48
	GERMAN	(0049) 0711 93533655	(0049) 0761 19240
	GREECE	(0030) 2109946400	(0030) 2107793777
	HOLLAND	0031 (0)76 530 6400	(0031) 030 274 8888
	HUNGARY	(0036) 06 40 109 109	(0036) 80 20 11 99
	IRELAND	(00353) 0844 815 8989	(00353) 1 8092566
	ITALY	(0039) 199 580 480	(0039) 02 66101029
	NORWAY	(0047) 22782500	(0047) 22 59 13 00
	POLAND	(0048) 801 900 666	Warszawa: (0048) 22 619 66 54 Gdańsk: (0048) 58 682 04 04 Poznań: (0048) 61 847 69 46 Kraków: (0048) 12 411 99 99
	PORTUGAL	(00351) 707 203 204	(00351) 808 250143
	ROMANIAN	(0040) 0372 117 745	
	RUSSIA	007 (495)745 57 31	
	SLOVAKIA	(00421) 0850 003 007	(00421) 2 54774166
	SPAIN	(0034) 902 203 204	(0034) 915 620 420
	SWEDEN	(0046) 0771 751570	(0046) 08 331231
	SWISS	(0041) 0848 801 005	(0041) 145
	UK	(0044) 0844 815 8989	(0044) 0845 46 47 (0044) 020 7188 0600
	UCRAIN	(00380) 0 800 501 150	