

Ceramic & induction hob cleaner

Revision n. 00003
Revision date: 09/06/2014



SAFETY DATA SHEET

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

1.1. Identification of the substance

Code:	[VCS015] 484000008497
Denomination	Ceramic & induction hob cleaner - spray 500 ml
Chemical name and synonyms	

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/preparation: vitro ceram 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) - ITALY
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 14.

2. HAZARD IDENTIFICATION.*

2.1. Classification of the preparation or mixture.

The mixture is classified as not dangerous according to Regulation 1272/2008 (CLP) (and following amendments or revision).
Anyhow the product containing dangerous components in concentration to be declared in section no. 3 and for this reason the products requires a safety data sheet conform to directive of regulations (CE) 1907/2006 and modifications.

2.2. Data on Label.

The product does not need a dangerous labelling according to Regulation 1272/2008 (CLP) (and following amendments or revision).

CLP pictograms: NONE

Hazard Statements: NONE

Precautionary Statements: NONE

SDS121200800UK

More information:

COMPONENTS CONFORM TO REGULATION CE N.648/2004

Contains anionic surfactants, non-ionic surfactants, EDTA, Phosphonates < 5%.

Other components: perfume.

2.3. Other hazards.

The product contains Citrus aurantium dulcis, Rutaceae and Citrus aurantium var. dulcis, Rutaceae that can cause sensitization for contact with skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS.*

3.1. Substances

Not applicable.

3.2. Mixture.

Contains

Identification	Conc. %.	Classification according to 67/548/CEE.	Classification according to 1272/2008 (CLP).
*Solution of EDTA at 35-40% CAS. 64-02-8 CE. 200-573-9 INDEX. 607-428-00-2 N° REGISTR. 01-2119486762-27-xxxx	1 – 1,5 %	Xn R20, R36	Acute Tox. 4 H332, Eye Dam. 2 H319, Met. Corr. 1 H 290
** Sulfonic acids, C14-16-alkane hydroxy and C14-16- alkene, sodium salts CAS. 68439-57-6 CE. 931-534-0 INDEX. N.A. N° REGISTRAZ. 01-2119513401-57-0002	0,1 – 0,3 %	Xi R36/38	Skin Irrit. 2, H315; Eye Irrit. 2, H319
** Sodium etasulfate CAS. 126-92-1 CE. 204-812-8 INDEX. N.A. N° REGISTRAZ. 01-2119971586-23	0.15 – 0,4 %	Xi; R41, R38	Skin Irrit. 2, H315 Eye Dam. 1, H318
** Phosphonic acid, (1-hydroxyethylidene)bis- CAS. 2809-21-4 CE. 220-552-8 INDEX. N.A. N° REGISTRAZ. 01-2119510391-53	0,1 – 0,3 %	Xi;R41.	Eye dam. 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)

*Classified according to mixture in information delivered by the Supplier

** Component listed because an Exposure limit has been determined (See Section 8)

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

4. FIRST AID MEASURES.

No cases of damage are known to users of this product. Anyhow, if necessary, act according below measures.

4.1. First aid instructions.

EYES: Wash immediately, thoroughly with plenty of water for at least 5 minutes holding the eyelids apart. If necessary, obtain medical attention.

SKIN: Wash off immediately with plenty of water and neutral soap. If irritation persists, seek medical advice.

INHALATION: Move to fresh air and keep warm and rest. If respiration is difficult, seek immediately medical advice.

INGESTION: rinse immediately the mouth. Seek immediately medical advice. Keep victim resting in a position that helps respiration. Do not induce vomiting. Do not give anything to the person if unconscious and without medical authorization.

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

No incidents to health due to the products are known.

EDTA SOLUTION: main symptoms may include eyes irritation, respiratory difficulty,

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: CO₂, alcohol resistant foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA:

None particular. Avoid water jets.

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of gas spread from combustion. (carbon dioxide, toxic products of pyrolysis, etc.). 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.

Cool container with water from a protect place to avoid decomposition and release of substances potentially harmful for health. Act always in security. 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

Stop the spilling in case of no dangers. Do not handle damaged containers or spilled product without wearing the adequate protective equipment. 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. Handle with care.

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. Keep the product in the original packaging. Store at temperature lower than 40°C. Store far from incompatible products as oxidizing agents, amphoteric metals and light metals. For more information consult section. 10.

7.3. Specific end use.

Vitro ceram cleaner detergent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.*

8.1. Control parameters.

EDTA- DNEL value

DNEL (Inhalation)= 2,5 mg/m³, local and systemic effects, long term exposure (workers)

DNEL (Inhalation)= 2,5 mg/m³, local and systemic effects, short term exposure (workers)

DNEL (Inhalation)= 1,5 mg/m³, local and systemic effects, long term exposure (population general)

DNEL (Inhalation)= 1,5 mg/m³, local and systemic effects, short term exposure (population general)

DNEL (Oral)= 25 mg/kg bw/day, systemic effects, long term exposure (population general)

Sulfonic acids, C14-16-alkane hydroxy and C14-16- alkene, sodium salts CAS. 68439-57-6

· DNEL		
Skin	exposure-long term - systemic effects	2158,33 mg/kg bw/day (worker)
Inhalation	exposure-long term - systemic effects	152,22 mg/m ³ (worker)
· PNEC		
fresh water		0,042 mg/l (-)
intermittent releases marine water		0,042 mg/l (-)
sediment (fresh water)		0,0042 mg/l (-)
sediment (marine water)		2,025 mg/kg sediment dw (-)
sewage treatment plant		0,2025 mg/kg sediment dw (-)
soil		4 mg/l (-)
		0,0061 mg/kg soil dw (-)

Sodium etasulfate CAS. 126-92-1

Levels derivated effects

Product name/ component	Type	Exposure	Value	Population	Effects
Sodium etasulfate	DNEL	Long term inhalation	285 mg/m ³	Workers	Systemic
	DNEL	Long term skin	4060 mg/ kg bw/ day 85	Workers	Systemic
	DNEL	Long term inhalation	mg/m ³		Systemic
	DNEL	Long term skin	2440 mg/ kg bw/day 24		Systemic
	DNEL	Long term Oral	mg/kg bw/day	User User	Systemic Systemic

Concentrations of effects

Product name/ component	Type	Environment	Value	Method
Sodium etasulfate	-	Marine fresh water	0.1357 mg/l	Evaluation factors
		PNEC intermittent	0.01357 mg/l	Evaluation factors
		Sediment running water	4.83 mg/l 1.5 mg/kg	Evaluation factors
		Sediment of marine water	0.15 mg/kg	Repartition
		Plant of treatment of waste waters	1.35 mg/l	Partition coefficient Evaluation factors Partition coefficient
		Soil	0.22 mg/kg	

Phosphonic acid, (1-hydroxyethylidene)bis- CAS. 2809-21-4

DNEL		Exposure	mg/kg/day
Industry	Oral	Long term	13
Users	Oral	Long term	6,5

PNEC

Marine water 0.0136 mg/l

Sediment 5.9 mg/kg

Soil 96 mg/kg

STP 12 mg/kg

Fresh water 0.136 mg/l

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) or complete mask EN 402.

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 half face filter, type FFP3 (re. EN 141). 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
Melting point/freezing point	NA (not available)
Melting point	NA (not available)
Evaporation rate	NA (not available)
Self flammability	NA (not available)
explosive limits	Not explosive
Decomposition temperature	NA (not available)
Relative density at 20°C	1,01 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

ND = not determined on mixture

9.2. Other information.

None

10. STABILITY AND REACTIVITY.

10.1. Reactivity.

In normal condition of storage and use there are no particular reactions with other substance.

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.

10.4. Conditions to avoid.

None particular. Anyhow keep normal cautions for chemical products.

10.5. Incompatible materials.

Amphoteric metals, light metals

10.6. Hazardous decomposition products.

In case of fire or decomposition may spread gas and vapors potentially harmful for health as CO₂, carbon mono-oxide potentially harmful to health.

11. TOXICOLOGICAL INFORMATION.*

11.1. Information on toxicological effects.

No effects are known about damage to health due to exposure to product. Anyhow a good industrial hygiene is recommended. The product may cause on sensitive persons some soft effects on health for exposition to inhalation and/or absorption by skin and/or contact with eye and/or swallowing.

EDTA

DL50 rat (oral): 1.780 - 2.000 mg/kg (supplier test for solid product)

DL50 rat (oral): > 2.000 mg/kg (supplier test for product in solution about 40%)

CL50 rat (inhalation): 1000 - 5000 mg/m³/6 h (OCSE – guideline 403; statement resulted from similar chemical products).

Irritation –Valuation of irritant effect (solid product): not irritating to skin. Risk of serious damage to eyes. Experimental data/calculated (solid product):

- Corrosion/irritation rabbit skin: not irritating. (supplier test)
- Severe damage to eyes/irritation eyes rabbit: irreversible damages (supplier test)

Experimental data/calculated (liquid product-sol.35-40%):

- Corrosion/irritation rabbit skin: not irritating. (supplier test)
- Severe damage to eyes/irritation eyes rabbit: Irritant. (supplier test)

Sensitization of respiratory tract/of skin - Experimental data/calculated (solid product):

Guinea Pig Maximation: not sensitization (OECD - guideline 406).

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

Mutagenicity on germinal cells – Evaluation of mutagenicity (solid product): on the most part of the test (bacterium/micro-organism/cells culture) no mutagenicity effect appeared from substance. Neither on animal test appeared this effect.

Cancerogenity – Evaluation of Cancerogenity (solid product): result of long term study on animal on rats, with oral administration, in food, the substance did not result cancerogenous. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Reproductive toxicity – Evaluation of toxicity for reproduction (solid product): the result of study on animal does not show damaging effects on fertility. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Toxic for growth – Evaluation of Teratogenity (solid product): test on animal did not show toxic effect on growth, at dose that does not show toxic for parent animal.

Specific toxicity for target organs (single exposure) - Evaluation STOT single (solid product): on available data, none specific toxicity is expected for target organs after single exposure.

Toxicity of repeated dose and specific toxicity for target organs (repeated exposure)

- Evaluation of the toxicity after repeated administration (solid product): no adverse effects on test on animals even after repeated administrations

Danger in case of inhalation: Not relevant.

LD50 (Oral): > 1780 mg/kg rat

LC50 (Inhalation): > 1000 mg/m³/6h rat (evaluated from similar products)

Sulfonic acids, C14-16-alkane hydroxy and C14-16- alkene, sodium salts CAS. 68439-57-6

· Acute Toxicity:

· Value LD/LC50 derived from classification:		
Oral	LD50	>2000 mg/kg (rat)
Skin	LD50	> 2000 mg/kg (rabbit)
Inhalation	LC50/4 h	> 52 mg/l (rat)

· primary irritation:

skin: irritant

eyes: highly irritant·

Sensitization: No sensitizer effects are known.

Phosphonic acid, (1-hydroxyethylidene)bis- CAS. 2809-21-4

Acute toxicity (Oral LD50) > 2000 mg/kg Rat

Acute toxicity (skin LD50) 7000 mg/kg Rabbit

Danger in case of inhalation:

Inhalation

May cause irritation to respiratory tract.

Ingestion

May cause pain to estomac and vomit

Contact with skin

Irritating to skin.

Contact with eyes

Risk of severe damages to eyes.

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.

EDTA

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.

Fish toxicity: CL50 (96 h) > 100 mg/L, *Lepomis macrochirus* (OPP 72-1 (EPA directive), static). Nominal concentration. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Aquatic invertebrates: CE50 (48 h) > 100 mg/L, *Daphnia magna* (DIN 38412 part 11, static)

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

Aquatic plants: CE50 (72 h) > 100 mg/L (growth tax), *Scenedesmus obliquus* (Directive 88/302/CEE, parte C, p89, static). Nominal Concentration.

Microorganisms/Effects on active muds: CE20 (30 min) > 500 mg/L, active mud, domestic (OECD - guideline 209, aquatic). Nominal concentration. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Chronic toxicity on fish: NOEC (35 d) >= 36,9 mg/L, *Brachydanio rerio* (Guideline OECD 210, Flux). The indications of toxic action are referred to concentration analytically determined. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Chronic toxicity for aquatic invertebrates: NOEC (21 d), 25 mg/L, *Daphnia magna* (OECD - guideline 211, semi static). Nominal concentration. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Toxicity to soil dwelling organisms: CL50 (14 d) 156 mg/kg, *Eisenia foetida* (OECD - guideline 207, artificial soil). The product has not been tested. The statement has been derived from products of a similar structure or composition.

Other terrestrial non-mammals: study scientifically not justified.

LC50 (96 h): >100 mg/L *Lepomis macrochirus* (deducted from similar product)

IC50 (72 h): >100 mg/L *Scenedesmus obliquus* (growth tax)

EC50 (48 hours): >100 mg/L *Daphnia magna* (deducted from similar product)

PNEC fresh water: 2,2 mg/L. Derivate is referred to free acid

PNEC salt water: 0,22 mg/L. Derivate is referred to free acid

PNEC irregular emission: 1,2 mg/L. Derivate is referred to free acid.

PNEC soil: 0,72 mg/kg. Derivate is referred to free acid

PNEC depuration plant: 43 mg/L. Derivate is referred to free acid.

Sulfonic acids, C14-16-alkane hydroxy and C14-16- alkene, sodium salts CAS. 68439-57-6

· aquatic toxicity:	
EC50/48 h	1 - 10 mg/l (<i>Daphnia magna</i>)
EC50/72 h	10 - 100 mg/l (<i>Selenastrum capricornutum</i>)
LC50/96 h	1 - 10 mg/l (<i>Skeletonema costatum</i> (algae)) 1 - 10 mg/l (<i>Danio rerio</i>)

Phosphonic acid, (1-hydroxyethylidene)bis- CAS. 2809-21-4

Acute toxicity for fish:

Not toxic for fishes.

96 hours 368 mg/l *Onchorhynchus mykiss* (Hyrided Trout)

Acute toxicity – Aquatic invertebrates

CE50 48 hours > 500 mg/l *Daphnia magna*

Acute toxicity – Aquatic plants

CE50 96 hours 7.2 mg/l *Selenastrum capricornutum*

12.2 Persistence and degradability

No data available for mixture.

EDTA: evaluation of biodegradability and elimination (H₂O), was found to be potentially biodegradable. Not readily biodegradable (by OECD criteria).

Sulfonic acids, C14-16-alkane hydroxy and C14-16- alkene, sodium salts CAS. 68439-57-6

Easily biodegradable

· **More informations:**

81 - 94 %

28 days / days

Phosphonic acid, (1-hydroxyethylidene)bis- CAS. 2809-21-4

The product is difficultly biodegradable

12.3. Bio accumulative potential.

No data available for mixture.

EDTA: bio concentration factor is about 1,8 (28 d), *Lepomis macrochirus*. Accumulation in organisms is unlikely.

Phosphonic acid, (1-hydroxyethylidene)bis- CAS. 2809-21-4

Repatriation coefficient – 3,49

12.4. Mobility in soil.

No data available for mixture.

EDTA: the substance does not evaporate in the air from water surface. Soil absorption is not proven from solid phase.

Phosphonic acid, (1-hydroxyethylidene)bis- CAS. 2809-21-4

The product is miscible with water. May have a diffusion in aquatic environment.

12.5. Results of PBT and vPvB assessment.

No data available for mixture.

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

According to Annex XIII of Regulation (EC) N.1907/2006 concerning the registration, the evaluation, the authorization and restriction of chemical substances (REACH), does not require the classification criteria as substance vPvB (very persisting/very bioaccumulable). Auto classification.

Sulfonic acids, C14-16-alkane hydroxy and C14-16- alkene, sodium salts CAS. 68439-57-6

PBT: No

vPvB: No

Phosphonic acid, (1-hydroxyethylidene)bis- CAS. 2809-21-4

This product does not contain substances PBT or vPvB.

12.6. Other adverse effects.

No data available for mixture.

None for substance.

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)
4. Regulation (EC) 1272/2008 of European Parliament (CLP)
5. Regulation (EC) 790/2009 of European Parliament (I Atp. CLP)
6. Regulation (EC) 286/2011 of European Parliament (II° Atp. CLP)
7. Regulation (EC) 453/2010 of European Parliament

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

Seveso class. None

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 for health issues according to Legislation.

15.2. Chemical safety assessment.

Not available for the mixture

16. OTHER INFORMATION.*

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

Eye Dam. 1 severe damage to eyes, category 1
 Eye Dam. 2 severe damage to eyes, category 2
 Skin Irrit. 2 Skin irritation, category 2
 Acute Tox. 4 Acute toxicity, category 4
 Met. Corr. 1 Corrosive to metals, category 1
 H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H318 Causes severe damage to eyes.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.

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

R20/22 Harmful by inhalation and if swallowed
 R36 Irritating to eyes.
 R38 Irritating to skin.
 R36/38 Irritating to eyes and skin.
 R41 Risk of serious damage to eyes.

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.

Ceramic & induction hob cleaner




INGREDIENTS SHEET

COMPONENT IUPAC	INCI NAME	CAS	Pharmacopea name	EINECS	%
Water	AQUA	7732-18-5	aqua	231-791-2	> 10
Alcohols, C11 linear branched, ethoxylated propoxylated	-	68937-66-6	-	-	1-10
Tetrasodium ethylenediaminetetraacetate	TETRASODIUM EDTA	64-02-8	-	200-573-9	1-10
Sodium etasulfate	SODIUM ETHYLHEXYL SULFATE	126-92-1	-	204-812-8	0,1-1
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	SODIUM C14-16 OLEFIN SULFONATE	68439-57-6	-	270-407-8	0,1-1
Parfums	-	-	-	-	0,1-1
Isotridecanol, ethoxylated, polymer	-	9043-30-5	-	500-027-2	0,1-1
Phosphonic acid, (1-hydroxyethylidene)bis-	ETIDRONIC ACID	2809-21-4	-	220-552-8	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	