Degreaser for dishwasher

Revision n. 03
Revision date: 07/07/2014

SAFETY DATA SHEET

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

1.1. Identification of the substance or preparation

Code:	[DDG304] 484000008385 - [DDG104] 484000008382 - [DDG204] 484000008383 [KDDG212] 484000008425 - [DDG110] 484000008597 - [DDG111] 484000008594 [DDG106] 484000008595 - [DDG108] 484000008596 - [DDG107] 484000008592 [DDG109] 484000008593 - [DDG105] 484000008548 - [DDG113] 484000008600 [DDG206] 484000008682 - [KDDG214] 484000008585 - [KDDG217] 484000008632
Product Name	**Degreaser for dishwasher**
Chemical name, Synonym	

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

Use: dishwasher machine degreaser.
REACh Registration Number: N.A. as mixture.

1.3. Company/undertaking identification (as supplier of the Safety Data Sheet)

Company name	Synt Chemical S.r.l.
Address	Via Armando Gagliani, 5
City and Country	40069 Zola Predosa (BO) - ITALY
Phone AND Fax	Phone +39 051 752332 - Fax +39 051 754945
Email of the SDS contact	laboratorio@syntchemical.it
Referent for the Safefty Data Sheet	Dott. Silvano Invernizzi

SDS121200610UK

1.4. Emergency telephone number

For urgent safety information call the Anti-Poison Center of your country. Check the emergency list on page 13.

2. HAZARDS IDENTIFICATION.*

2.1. Classification of the substance or mixture

Product is classified as DANGEROUS in accordance with EC No 1272/2008 and relevant amendments, as well as new Regulation EC No 453/2010. Products requires a Safety Data Sheet according to Regulation 1907/2006 EC and following amendments. For further information about Health and/or Environment hazards refers to Section 11 and 12 of this document.

Danger labeling according to Directive CLP 1272/2008/EC (and following revision and amendments)
Skin. Corr. 1, H314
STOT SE3, Inalazione, H335
Eye Dam. 2, H319

The complete R-phrases and/or H-phrases are reported on Section 16 of this document.

2.2. Data on label.

Danger labeling according to Directive 1272/2008 and following revision and amendments

CLP pictograms

DANGER

Hazard Statements:

H314 Causes severe skin burns and eye damage.
H335 May irritate respiratory system.

Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe dust
P264 Wash thoroughly after handling
P303 + P361 + P353 IN IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower .
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 doctor/physician
P332+P313 If skin irritation occurs: Get medical advice/attention.
P233 Keep container tightly closed.
P501 Dispose of contents/container to local/regional/national/international regulations.

Contain: DISODIUM METASILICATE (EC 229-912-9).

MORE INFORMATIONS:
COMPONENTS CONFORM TO REGULATION CE N.648/2004
CONTAINS: phosphates 5-15%, non-ionic surfactants, polycarboxylate, chlorine based bleaching agents < 5%.

2.3. Other hazards.

None

3. COMPOSITION/INFORMATION ON INGREDIENTS.*

3.1. Substances

Information not applicable

3.2. Mixture.

Contains:

IDENTIFICATION.	Conc. %.	Classification 67/548/CEE.	Classification 1272/2008 (CLP).
DISODIUM METASILICATE, ANHYDROUS *CAS. 6834-92-0* *CE. 229-912-9* *INDEX. 014-010-00-8* *REGISTRATION n. 01-2119449811-37*	24 – 30 %	C R34, Xi R37	Skin Corr. 1A H314, Met.Corr.1 H290STOT SE 3 H335
*SODIUM TRIPHOSPHATE CAS 7758-29-4 CE. 231-838-7 INDEX. - REGISTRATION n. 01-2119430450-54	11 – 17 %	No classification	No classification

SODIUM CARBONATE ***CAS. 497-19-8*** ***CE. 207-838-8*** ***INDEX. 011-005-00-2*** ***REGISTRATION n. 01-2119485498-19***	**7 – 12 %**	**Xi R36**	**Eye Irrit. 2 H319**
TROCLOSENE SODIUM, DIHYDRATE **CAS. 51580-86-0** **CE. 220-767-7** **INDEX. 613-030-01-7** ***REGISTRATION n.***	**1 – 3 %**	**Xn R22, Xi R36/37, R31, N R50/53**	**EUH031, Acute Tox. 4 H302, Eye Irrit. 2 H319, STOT SE 3 H335, Aquatic Acute 1 H400, Aquatic Chronic 1 H410**

T+ = Highly Toxic (T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = oxidizing (O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly flammable (F)
* Component listed because have a Working exposure Limit (Section 8)
The complete R-phrases and/or H-phrases are reported on Section 16 of this document.

4. FIRST AID MEASURES.*

Remove contaminated clothes immediately. In case on unconsciousness risk, Remove the affected person to fresh air; turn on side, on a stable position. Apply artificial breath if necessary. Medical staff need to protect themselves. Eye washer and emergency shower have to be placed close to the workplace.

4.1. Description of first aid measures.

EYE: Rinse with plenty of water immediately for at least 15 minutes while keeping eye widely open. After, protect the eye with dry sterile bandage or dry sterile cotton. If presents, remove contact lens. Seek for medical attention.
SKIN: Remove clothes immediately. Wash with plenty of soap and water the contaminated or part of the skin, also if contamination is only suspected. Seek medical advice immediately. Wash clothes accurately before use.
INHALATION: move person to open and fresh air and rest. If breath is difficult, seek medical advice immediately. Place the person on a safety position. Easier the breath losing the clothes.
INGESTION: Rinse mouth immediately. Remove dental prosthesis. Seek medical advice immediately. Rest the injured person and ease breathing. Do not induce vomiting. If a spontaneous vomit may under come, keep mouth and nose clean to ease breathing. Do not administer anything if not authorized by medic.

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

Health effects provoked by the product are not know

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

If an incident or health effect occurs seek medical advice immediately and following instruction. If possible show the Safety Data Sheet.

5. FIREFIGHTING MEASURES.*

5.1. Extinguishing media.

SUGGESTED EXTINGUISHING MEDIA Extinguish with Carbon dioxide, Dry chemical, Water Spray, Foam. Not burning leakage, spayed water might be used to disperse vapour and protect firefighters and emergency squad.
NOT SUGGESTED EXTINGUISHING MEDIA
Not available

5.2. Special hazards arising from the substance or mixture.

FIRE AND EXPLOSION EXPOSITION HAZARDS
Avoid vapour and gas inhalation caused by fire or explosion. In case of fire carbon dioxide, carbon oxide, chlorine and other dangerous substance might be generated. For further information, refer to Section 10 of this document

5.3. ADVICE FOR FIREFIGHTERS.

GENERAL INFORMATION
Keep away not authorized and not protected personal from the fire area.

Cool exposed container with water to avoid product decomposition. Potential danger substance might be generated because of the heating. Follow safety procedure. Wear full fire protection equipment. Collect fire extinguished water. Extinguishing water do not have to reach drain. Waste extinguishing water according to Local Legislation on Chemical waste.
PERSONAL PROTECTION
Helmet with protective shield, fire resisting clothes, fire gloves, auto-breathing device with full face protection or protecting breathing mask.

6. ACCIDENTAL RELEASE MEASURES.*

6.1. Personal precautions, protective equipment and emergency procedures
Eliminate any ignition source (cigarette, flame, spark, etc..) from the leakage area. Avoid any electrostatic charge formation. Stop the leakage if not dangerous. Avoid dust formation. Do not move the damaged container without appropriate protecting equipment. Keep not properly equipped person. For relevant health, environment, inhalation, ventilation and individual protection device information, refer to other Section of this document.

6.2. Environmental precautions
Keep away from drains, surface and ground water.

6.3. Methods and material for containment and cleaning up.
Avoid dust formation; Collect the product with anti-spark equipment in appropriate waste container. Clean the residual product with water, if not against advised. Ventilate the area. Waste the collected material according to local law on chemical waste treatment. Refer to Section 13 for further information.

6.4. Other Section
Further information about personal protection device and waste are indicated on Section 8 and 13.

7. HANDLING AND STORAGE.*

7.1. Precautions for safe handling.
Keep away from food and drink. Handle with care and follow correct working procedure and appropriate safety measure. Ventilate the area where the product is used. Avoid dust formation. Handle with precaution. Avoid skin and eyes contact and avoid dust inhalation.. Wear appropriate individual protection device (refer Section 8).

7.2. Conditions for safe storage, including any incompatibilities.
Store in cool, well ventilated place. Protect from direct sunlight. Keep away from ignition source, flame and sparkle. Store closed and sealed container, with proper labeling. Store on original container. Store in ventilated room. Keep away from not compatible products, as acid, aluminum, zinc, tin, copper and their alloy, reducing substance. Store at temperature below 40°C. For further information refer also to Section 10 of this document.

7.3. Specific end use(s).
Dishwasher machine degreaser

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.*

8.1. Control parameters.

Description	STANDARD	Stato	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Note
SODIUM CARBONATE	TLV-ACGIH		10				
DISODIUM METASILICATE	OEL		3				respirable fraction
	OEL		10				inhalable fraction

SODIUM CARBONATE
DNEL (GLOB)
Parameter: Local effect Long term workers inhalation
Value: 10 mg/m^3
Parameter: Local effect Long term workers population
Value: 10 mg/m^3

DISODIUM METASILICATE CAS : 6834-92-0
DNEL(EC)
Systemic effects Long term Skin Workers 1,49 mg/kg
DNEL(EC)
Systemic effects Long term Inhalation Workers 6,22 mg/m3
DNEL(EC)
Systemic effects Long term Skin Population 0,74 mg/kg
DNEL(EC)
Systemic effects Long term Inhalation Population 1,55 mg/m3
DNEL(EC)
Systemic effects Long term Oral Population 0,74 mg/kg
OEL(EC) Inhalable fraction 3 mg/m3
OEL(EC) Respirable fraction 10 mg/m3
PNEC(EC) Saltuary emission 7,5 mg/l
PNEC(EC)
Depuration plant 1000 mg/l
PNEC(EC) Fresh water 7,5 mg/l
PNEC(EC) Marine water 1 mg/l

SODIUM TRIPHOSPHATE NR. CAS : 7758-29-4
DNEL (GLOB)
Systemic effects Short-term Skin Workers 0,375 mg/kg
DNEL (GLOB)
Systemic effects Short-term Inhalation Workers 0,661 mg/m3
DNEL (GLOB)
Systemic effects Short-term Skin Population 0,375 mg/kg
DNEL (GLOB)
Systemic effects Long term Inhalation Population 0,661 mg/m3
DNEL (GLOB)
Systemic effects Long term Oral Population 0,75 mg/kg
PNEC (GLOB) Soil
0,14 mg/kg
PNEC (GLOB) Fresh water 0,005 mg/l
PNEC (GLOB) Marine water 0,005 mg/l
PNEC (GLOB) Saltuary emission 0,05 mg/l
PNEC (GLOB) Sediment (fresh water) 0,19 mg/kg

8.2. Exposure control.
Technical measures have to be applied before considering individual protection device. Well ventilated the working area. If technical measures are not sufficient to keep products under the exposure limit, protect workers with proper protecting breath device. During use, refer to the label of the product. Ask suggestion to supplier for appropriate choice of individual protection device. Refer to following information in this Section for individual protection device Standards and Laws. Eye washer and safety shower have to be place in the working area or close to eye and skin contact might occur.

HAND PROTECTION
Protect with Category II gloves, according to Directive 89/686/EEC and EN 374. Suggested materials are PVC, PVA, neoprene, nitrile, PTFE, Fluor elastomer, Viton or equivalent. For the proper material choice consider: degradation, elongation time and permeability. For mixture, material controls need to be performed before use. Gloves material duration time might depend on exposition time.

EYES PROTECTION
Wear hermetic protective glasses (Standard EN 166) or full face mask (standard EN 402). Do not use eyes lens. Eyes washer have to be installed close to the working place.

SKIN PROTECTION
Wear suitable working clothes, with long arms and safety shoes, category II (Directive 89/686/EEC and EN 344). Wash with soap and water after removing clothes. Safety shower have to be installed on the work place.

RESPIRATORY PROTECTION
If exposition limit (daily exposition on a workplace value or its fraction, according to RMM) of the substances contained in the mixture are overcome, wear a semi-facial mask equipped with FFP3 filter (EN 141). Wearing individual protection device to protect from inhalation has to be requirements if force ventilation and/or forced aspiration system are not sufficient to control the exposition limit.

9. PHYSICAL AND CHEMICAL PROPERTIES.*

9.1. Information on basic physical and chemical properties

Appearance	Powder
Color	White
Odor	Characteristic
pH 1:100 in water	12,2
Distillation range	ND (not available)
Flash point	➢ 100°C
Evaporation rate	ND (not available)
Gas and solid Flammability	ND (not available)
Auto- Flammability	ND (not available)
Explosivity	Not explosive
Relative density 20°C	900/950 g/L (apparent)
Water solubility	Soluble
Liposolubility	ND (not available)
Partition coefficient (n-octanol/water)	ND (not available)
Vapour pressure	ND (not available)

ND = not determined on mixture

9.2. Other information.
None

10. STABILITY AND REACTIVITY.*

10.1. Reactivity.
Particular reactivity dangers with other substance are not known in normal handling and storage conditions. Products may react with acid.

10.2. Chemical stability.
Product is stable in normal handling and storage condition. The product is hygroscopic. Water contact might cause hardening of the product.

10.3. Possibility of hazardous reactions
Danger chemical reaction are not known under normal handling and storage condition. Protect from humidity. Avoid contact from not compatible materials.
DISODIUM METASILICATE: water solution reacts with aluminum, zinc, tin, copper and their alloy, producing hydrogen that can cause explosive mixture in contact with air. Exothermic reaction with acid.

10.4. Conditions to avoid.
Use normal working condition and procedure due for chemical use. Avoid overheating, static electricity and any ignition source. Do not expose to humidity.

10.5. Incompatible materials.
SODIUM CARBONATE: react with acid.
DISODIUM METASILICATE: avoid contact with aluminum, zinc, copper, tin and their alloy. Avoid contact with strong reducing substance.

10.6. Hazardous decomposition products.
Thermal decomposition cause gas and vapour potentially dangerous, as carbon dioxide, carbon monoxide, chlorine and other compound potentially harmful to health.

11. TOXICOLOGICAL INFORMATION.*

11.1. Information on toxicological effects.
The product is corrosive and cause severe burns and vesicle that might appear also after the exposition. Burns cause pain. Eye contact causes severe injuries and might shadow cornea, iris and not reversible color change. Caustic vapors are dangerous for breathing apparatus and can cause lung edema. Their effect might appear after several times. Exposition symptoms are: burning, cough, asthmatic breathing, laryngitis, short breath, cephalic, nausea and vomit. Ingestion cause burns to mouth, throat, and esophagus; vomit, diarrhea, edema, and breathing problem. Ingestion can cause intestinal severe injuries.

SODIUM CARBONATE
LD50 (Inhalation): 0,8 mg/L/2h (guinea Pig)
LD50 (Inhalation): 1,2 mg/L/2h (Mouse)
LD50 (Inhalation): 2,3 mg/L/2h (Rat)
LD50 (Oral): 2800 mg/kg (Rat)
LD50 (Dermal): > 2000 mg/kg (Rabbit)

DISODIUM METASILICATE
LD50 (Inhalation): > 2,06 g/m3 (rat)
LD50 (Oral): 1152 – 1349 mg/kg (rat)
LD50 (Dermal): > 5000 mg/kg (rat)
NOAEL (read-across): > 159 mg/kg (rat)
NOAEL (read-across): > 200 mg/kg (mouse)
NOAEL (Oral): 227 mg/kg (rat)
NOAEL (Oral): 260 mg/kg (mouse)

Data on human: the product might be adsorbed if dermal contact occurs. Skin and mucosa irritation

TROCLOSENE SODIUM DIHIDRATE
LD50 (Oral): 1173 mg/kg (rat)

Inhalation: high concentration vapour might irritate throat and breathe apparatus and cause cough.
Ingestion: harmful if ingested.
Skin contact: the product act as skin degreaser. Cause skin scrap and eczéma. Skin irritation occurs.
Eye Contact: irritating and might cause redness and pain.

SODIUM TRIPHOSPHATE NR. CAS : 7758-29-4
The product has no particular risks to human health
Value LD50/LC50 relevant for classification

Primary irritability
LC50 Inhalation Rat = 390 mg/m3 4h
LD50 Skin Rabbit > 4640 mg/kg
LD50 Oral Rat > 2000 mg/kg
NOAEL (Read-across) Oral Rat = 225 mg/kg

Irritation eyes (OECD 405): not irritating (Determinate on rabbit's eyes)
Irritation skin (OECD 404): not irritating (Determinate on rabbit)

Sensitization
Skin sensitization (OECD 429): not sensitizer (Determinate on mouse)

Effects carcinogenetic, mutagenic or reproductive complications
Mutagenic bacteria (in vitro rat): negative.
More information
Irritation observed in test on animal.

12. ECOLOGICAL INFORMATION *

The product is dangerous for the environment and it is considered toxic for aquatic organism with the possibility to cause long term negative effect for the aquatic organism

12.1. Toxicity.

SODIUM CARBONATE
EC50 (48 h): 200 – 227 mg/L (*Daphnia magna*)
LC50 (96 h): 300 mg/L (*Lepomis macrochirus*)

DISODIUM METASILICATE
EC50 (72 h): 207 mg/L (*Scenedesmus subspicatus*)
LC50 (96 h): 1108 mg/L (*Brachydanio rerio*)
EC50 (48 h): 1700 mg/L (*Daphnia magna*)

SODIUM TROCLOSENE DIHYDRATE
LC50 (96 h): 0,22 mg/L (fish)
EC50 (48 h): 0,55 mg/L (*Daphnia magna*)

SODIUM TRIPHOSPHATE NR. CAS : 7758-29-4
EC50 Algae Desmodesmus subspicatus about 160 mg/l 4 days
EC50 Daphnia Daphnia magna > 100 mg/l 48 hours

12.2 Persistence and degradability

Information not available for the mixture
SODIUM CARBONATE: easily hydrolysable.
DISODIUM METASILICATE: soluble inorganic silicate easily degrade in undefined molecule. They react with Ca, Mg, Fe, Al ion to form insoluble substance.

12.3. Bio accumulative potential.

Information not available for the mixture
SODIUM CARBONATE: not bio accumulative substance.
DISODIUM METASILICATE: not bio accumulative substance

12.4. Mobility in soil

Information not available for the mixture
TROCLOSENE SODIUM DIHIDRATE: the product is soluble in water.

12.5. Results of PBT and vPvB assessment.

Information not available for the mixture
SODIUM CARBONATE: this product is not and does not contain any substance defined as PBT or vPvB

12.6. Other adverse effects
Information not available for the mixture
TROCLOSENE SODIUM DIHIDRATE the products contain a highly toxic substance for aquatic organism and cause long term negative effect for the aquatic environment.

13. Disposal considerations.*

13.1. Waste treatment methods
Re-use the container if possible. This substance, when discarded or disposed of, is a hazardous waste. The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with local regulations for hazardous wastes.
Disposal can occur only in properly permitted facilities. Check state and local regulation of any additional requirements for disposal conditions
CONTAMINATED CONTAINER
Please, refer your local/national/regional requirements on disposal

14. TRANSPORT INFORMATION.*
Transport has to be performed on dangerous chemicals authorized vehicles, according to ADR requirements, and following National Legislation.
Workers have to be properly acknowledge about handling of the product and emergency situation.

Railway and Road transport

Class ADR/RID:	8	UN: 3253
Code:	C6	
Packing Group:	III	
Label:	8	
Nr. Kemler:	80	
Limited Quantity:	5 kg	
Exempted quantity:	E1	
Tunnel Restriction code.	E	
Technical name:	DISODIUM TRIOXOSILICATE	

Shipping:

IMO:	8	UN: 3253
Packing Group:	III	
Label:	8	
EMS:	F-A, S-B	
Marine Pollutant.	NO	
Proper Shipping Name:	DISODIUM TRIOXOSILICATE	

Air transport:

IATA:	8	UN: 3253
Packing Group:	III	
Label:	8	
Proper Shipping Name:	DISODIUM TRIOXOSILICATE	

15. REGULATORY INFORMATION.*

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

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments
3. Regulation (EC) 1907/2006 (REACH)
4. Regulation (EC) 1272/2008 (CLP)
5. Regulation (EC) 790/2009 (I° ATP, CLP)
6. Regulation (EC) 286/2011 (II° ATP CLP)
7. Regulation (EC) 453/2010

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

Seveso class. None

Restriction according to Annex XVII (REACh Regulation). Entry. 3

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

Substance subject to 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
Chemical Safety Assessment has not been elaborated for them mixture.

16. OTHER INFORMATION.*

Complete Hazard phrase (H) indicated in Section 2 and 3 of this document.

Eye Irrit. 2 Eye Irritant, category 2
Skin Corr. 1A Skin corrosion, category 1A
Acute Tox. 4 Acute toxicity, category 4
STOT SE 3 Specific target organ toxicity — single exposure category 3
Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity category 1
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH031 Contact with acids liberates toxic gas

Complete Risk phrase (R) indicated in Section 2 and 3 of this document.

R22 Harmful if swallowed
R31 Contact with acids liberates toxic gas
R34 Causes burns.
R36 Irritating to eyes
R37 Irritating to respiratory system.
R36/37 Irritating to eyes and respiratory system.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Key Literature References and Sources for data

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 Organization for Economic Co-operation and Development.
TLV-TWA : Threshold Limit Value - Time Weight Average.
N/A: Not applicable.
PBT: Persistent, bio accumulative 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 Bio accumulative.
WAF = Water Accommodated Fraction

Disclaimer
The information contained herein is accurate and is based on the present state of our knowledge. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s). All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Degreaser for dishwasher

INGREDIENTS SHEET

COMPONENT IUPAC	INCI NAME	CAS	Pharmacopea name	EINECS	%
Sodium chloride	SODIUM CHLORIDE	7647-14-5	natrii chloridum	231-598-3	≥ 10
Disodium metasilicate	SODIUM METASILICATE	6834-92-0	ND	229-912-9	≥ 10
Pentasodium triphosphate	PENTASODIUM TRIPHOSPHATE	7758-29-4	ND	231-838-7	≥ 10
Sodium carbonate	SODIUM CARBONATE	497-19-8	natrii carbonas	207-838-8	≥ 1 < 10
1,3-dichloro-1,3,5-triazine-2,4,6(1H,3H,5H)-trione sodium salt dihydrate	ND	51580-86-0	ND	220-767-7	≥ 1 < 10
Alcohols C6–C12 ethoxylated propoxylated	ND	68937-66-6	ND	ND	≥ 0,1 < 1
2-Propenoic acid, homopolymer, sodium salt	SODIUM POLYACRYLATE	9003-04-7	ND	25549-84-2	≥ 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	