

Oven & Grill degreaser



Revision n. 03
Revision date: 10/12/2013

SAFETY DATA SHEET

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

1.1. Identification of the substance or preparation

Code: [ODS412] 484000008431 - [ODS413] 484000008430 - [ODS414] 484000008432
[ODS419] 484000008601 - [ODS417] 484000008602 - [ODS418] 484000008603
[ODS500] 484000008648 - [ODS420] 484000008649 - [ODS421] 484000008828
[ODS421] 484000008826 - [ODS408] 484000008728

Product Name **Oven & Grill degreaser**
Chemical name, Synonym

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/preparation : oven detergent.
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 Safety Data Sheet	Dott. 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 13.

2. HAZARD IDENTIFICATION.*

2.1. Classification of the preparation or mixture.

The mixture is classified as dangerous according to Directive 67/548/EEC and Regulation 1999/45/EC and/or Regulation 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:

Danger Symbol: Xi
R-phrases: R36/38

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

Danger classification according to Directive 1272/2008 (and following revision and amendments)



GHS07 Warning, Skin Irrit. 2 H315 Causes skin irritation



GHS07 Warning, Eye Dam. 2, Causes serious eye irritation.

2.2. Data on Label.

Danger labeling according to Directive 67/548/EEC and Directive 1999/45/EC (and following revision and amendments)

CLP pictograms:



WARNING

Hazard Statements (H-Phrases):

Causes skin irritation

H315 Causes skin irritation.

H319 Causes serious eye irritation

Precautionary Statements (P-Phrases):

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.

P264 Wash hands and exposed skin thoroughly after handling.

P280 Wear eyes/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P337 + P313 If eye irritation persists get medical advice/attention.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

Special disposal: none.

Contains: 2-aminoethanol, sulfuric acids, C14-C16 alkane hydroxy and C14-C16 alkene, sodium salts, 2-Propylheptanol Ethoxylated Polymer

2.3. Other hazards.

Information not available.

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).
1-BUTOXYPROPAN-2-OL CAS. 5131-66-8 CE. 225-878-4 INDEX. 603-052-00-8 N° REGISTR. 01-2119475527-28-0001	3,5 – 4,5 %	Xi R36/38	Flam. Liquid 3 H226, Eye Irrit. 2 H319, Skin Irrit. 2 H315
2 – AMINOETHANOL CAS. 141-43-5 CE. 205-483-3 INDEX. 603-030-00-8 N° REGISTR. 01-2119486455-28	1,5 – 2,9 %	C R34, Xn R20/21/22	Skin Corr. 1B H314, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332
SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS CAS. 68439-57-6 CE. 270-407-8 INDEX. – N° REGISTR. 01-2119513401-57	1,5 -3,0%	Xi R38, R41	Skin Irrit. 2 H315, Eye Dam. 1 H318
2-PROPYLHEPTANOL ETHOXYLATED POLYMER CAS. - CE. - INDEX. -	1 – 1,5 %	Xn R22, Xi R41	Acute Tox. 4 H302, 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)

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

COMPONENTS CONFORM TO REGULATION CE N.648/2004

CONTAINS: anionic surfactants, non-ionic surfactants < 5%

OTHER COMPONENTS: perfumes.

4. FIRST AID MEASURES.*

Take off immediately all contaminated clothing. If unconsciousness may be possible move away to fresh air, 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 15 minutes while keeping eye widely open. If necessary, consult an ophthalmologist.

SKIN: Wash off immediately with plenty of water and neutral soap. In case of irritation persisting, seek medical advice.

INHALATION: Move to fresh air and keep warm and rest. In case of respiration difficulty, seek immediately medical advice.

INGESTION: rinse immediately the mouth. Seek immediately medical advice. 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

For symptoms and effects due to contained substances refer to section 11.

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS: may cause irritation to skin, mouth and stomach, reddening.

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.

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS: in case of high expositions, keep victim under medical control at least for 48 hours.

5. FIREFIGHTING MEASURES.*

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Are the traditional ones: CO₂, alcohol resistant foam, powder and water sprayed.

UNSUITABLE EXTINGUISHING MEDIA:

None particular.

5.2. Special hazards arising from the substance or mixture

DANGERS DUE TO EXPOSURE IN CASE OF FIRE.

Avoid inhalation of gas spread from explosion or fires. They can contain CO₂, carbon monoxide, sulphur oxides, metal oxides and other toxic products. Refer to section 10.

5.3. Advice for fire-fighter.

GENERAL INFORMATION

Delimit area and flush water from protected site. Cool other container, or product from a well-protected position to avoid heating and overheating. Act in security. Wear always the complete protective fire-fighting equipment. Dispose the contaminated water in accordance with local and national regulations.

PROTECTIVE EQUIPMENT

Helmet with visor, fireproof clothing (jacket and trousers with straps around the arms, legs and waist), intervention gloves (fire fighting, cut-proof and dielectric), and overpressure mask with a face shield covering the entire face of the operator or use the self-respirator (self-protector) in the case of large amounts of smoke.

6. ACCIDENTAL RELEASE MEASURES.*

6.1. Personal precautions, protective equipment and emergency procedures

Stop the spilling in case of no danger. Do not handle damaged containers or spilled product without 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 lost or spilling.

6.3. Methods and material for containment and cleaning up.

Move in open air the containers if leaking can may be removed and spilling cannot be stopped, Contain and collect liquid with an inert absorbent (sand, earth, Kieselguhr, etc.) and place in a container for disposal. Clean spill area thoroughly by proper equipment.

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. Handle with care. Avoid contact with skin, eyes and do not inhale vapors and fumes. Wear adequate individual protective apparatus (consult section 8)

7.2. Conditions for safe storage, including any incompatibilities.

Store in a cool, well-ventilated area and away from direct sunlight. Keep containers well closed and labelled. Store away from incompatible materials like acids and strong oxidizing agents. Store the container at temperature between 10°C and 40 °C. If needed consult section 10.

7.3. Specific end use.

Oven detergent

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.*

8.1. Control parameters.

Identification	Parameters	Country	TWA/8h mg/m ³	ppm	STEL/15min mg/m ³	ppm	Note
2-AMINOETHANOL	OEL	EU	2,5	1	7,6	3	Skin

2-AMINOETHANOL

Specific: TRGS 900 – Limit value in air in working place (D)

Value: 2 ppm / 5,1 mg/m³

Category: 2(I)

Notes: H, Y

Version date: 02/07/2009

1-BUTOXYPROPAN-2-OL – DNEL VALUE

DNEL (Skin)= 50% in mixture , local effects, long term exposure (workers)

DNEL (Skin)= 44 mg/kg bw/day, systemic effects, long term exposure (workers)

DNEL (Inhalation)= 270,5 mg/m³, systemic effects, long term exposure (workers)

DNEL (Skin)= 50% in mixture , local effects, long term exposure (population general)

DNEL (Skin)= 50% in mixture , local effects, short term exposure ((population general)

DNEL (Skin)= 16 mg/kg bw/day, systemic effects, long term exposure (population general)

DNEL (Inhalation)= 33,8 mg/m³, systemic effects, long term exposure (population general)

DNEL (Oral)= 8,75 mg/kg bw/day, systemic effects, long term exposure (population general)

DNEL (Skin)= 50% in mixture , local effects, long term exposure ((population general)

(Source: database ECHA – European Chemicals Agency)

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. It is recommended an emergency eyes washing system and an emergency shower



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 full mask EN 402.

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use in category II (refer to Directive 89/686/EEC and standard EN 344). After removing protective clothing, wash affected skin with soap and water.



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 a mask half face type A-P2 or ABEK-P2 (refer to Standard 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	Characteristic
pH as it is	10 – 10,9
Melting point/freezing point	ND (not available)
Flash point	ND (not available)
Evaporation rate	ND (not available)
Flammability (solid, gas);	ND (not available)
Self flammability	ND (not available)
explosive limits	Not explosive
Decomposition temperature	ND (not available)
Relative density at 20°C	1,00 g/mL
Solubility in water	Soluble
Liposolubility	ND (not available)
Partition coefficient: n-octanol/water	ND (not available)
Vapour pressure	ND (not available)
Vapours density	ND (not available)
Oxydizing property	ND (not available)

9.2. Others information.

Information not available.

10. STABILITY AND REACTIVITY.*

10.1. Reactivity.

No particular danger reactions with other substances in normal condition of use.

10.2. Chemical stability

Product is stable in normal condition and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions for normal storage and use.

10.4. Conditions to avoid.

Use normal actions for chemical products. Avoid exposure to heat, electric discharges, naked flames, heat sources.

10.5. Incompatible materials.

Strong oxidizer agents and strong acids.

10.6. Hazardous decomposition products.

In case of fire or decomposition may spread gas and vapors potentially harmful for health as CO₂, carbon monoxide, sulphur oxides, metal oxides and other irritating fumes.

11. TOXICOLOGICAL INFORMATION.*

11.1. Information on toxicological effects.

Acute effects: contact with eyes causes irritation; symptoms may include: reddening, edema, pain and lacrimation.

Inhalation of vapors may cause light irritation of the upper part of respiratory tract; contact with skin may cause light irritation.

Swallowing may cause damage to health, included abdominals with burn, nausea and vomit.

1-BUTOXYPROPAN-2-OL

Acute toxicity: feeble toxic after one single ingestion. Practically not toxic for one single contact with skin.

LD50 (Oral): > 2000 mg/kg, rat (OECD – guideline 423)

LD50 (Skin): > 2000 mg/kg, rat (OECD – guideline 402)

Literature data

Irritation – irritating for contact to eyes. Irritating for contact with skin.

Experimental data/calculated:

- Corrosion/irritation rabbit skin: irritating (OECD guideline 404). ECC classified the substance as "Irritating to skin" (R38).)
- Severe damage to eyes/irritation eyes rabbit: irritating (OECD guideline 405)

Sensitization of respiratory tract/of skin – Test on animals do not show a sensitization action. Buehler Test on Guinea Pig: not sensitization (OECD – guideline 406).

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 bacteria. Neither on culture of mammal cells.

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS

LD50 (Oral): 2079 mg/kg (rat)

LC50 (Inhalation): > 52 mg/L/4h (rat)

LD50 (skin): 6300 – 13500 mg/kg (rabbit)

Skin Sensibilisation (Guinea Pig test OECD 406 guideline): The product does not cause sensibilisation. Also the tests on human being show that the product does not cause sensibilisation.

Mutagenicity: OECD 471 Bacterial Reverse Mutation Test, OECD 476 *In vitro* Mammalian Cell Gene Mutation Test, OECD 473 *In vitro* Mammalian Chromosomal Aberration Test: negative.

Carcinogenicity: tests effected with unofficial protocols; the results are listed as follows:

Exposure: oral, rat, exposure time 2 year: negative

Exposure: skin, rat, exposure time 2 year (for 2 days per week): negative

Teratogenicity: OECD 414 Prenatal Developmental Toxicity Study: NOAEL= 2 mg/kg (rabbit)

Potential acute effects on health:

Inhalation: no effects or critic dangers are known.

Ingestion: irritant to mouth, gorge and stomach.

Contact with skin: irritating to skin.

Contact with eyes: no effects or critic dangers are known.

General: no effects or critic dangers are known.

NOAEL (Oral chronic): 227 mg/kg

Symptoms linked to physical, chemical and toxicological properties:

Contact with skin: the negative symptoms may include irritation and reddening.

Ingestion: no specific data.

Inhalation: no specific data.

Contact with eyes: no specific data.

2-PROPYLHEPTANOL ETHOXYLATED POLYMER

Acute toxicity oral: LD50: 500 – 2.000 mg/kg (rat)

Irritation: corrosion/irritation to skin rabbit: lightly irritant (guideline OECD 404). Severe damage to eyes/irritation rabbit eyes: irreversible damages ((guideline OECD 405).

Sensibilisation (Guinea Pig test OECD 406 guideline): The product does not cause sensibilisation.

2-AMINOETHANOL

LD50 oral: 2.100 mg/kg (rat)

LD50 (skin): 1.000 mg/kg (rabbit)

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-BUTOXYPROPAN-2-OL

LC50 (96 h): > 100 mg/L (*Pimephales promelas*)

EC50 (48 h): > 1000 mg/L (*Daphnia magna*) – OECD – Guideline 202, part 1, static. Nominal concentration.

EC50 (96 h): > 1000 mg/L (*Pseudokirchneriella subcapitata*) – Algal growth inhibition test, static. Nominal concentration.

EC50 (180 min): > 1000 mg/L – OECD – guideline 209, aquatic. Nominal concentration.

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS

LC50 (96 h): 4,2 mg/L (*Brachydanio rerio*), OECD 203

EC50 (48 h): 4,53 mg/L (*Daphnia magna*), OECD 202

EC50 (72 h): 5,2 mg/L (*Skeletonema costatum*, *Phaeodactylum tricornutum*)

IC50 (3 h): 230 mg/L (*bacteria*), OECD 209

2-PROPYLHEPTANOL ETHOXYLATED POLYMER

EC50 (48 h): 1-10 mg/L (*Daphnia magna*)

EC50 (72 h): 1-10 mg/L (*Scenedesmus subspicatus*)

EC20 (30 minutes) about > 100 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.

2-AMINOETHANOL

EC50 (48 h): 65 mg/L (*Daphnia magna*)

EC50 (72 h): 2,5 mg/L (Algae)

EC50 (72 h): 22 mg/L (*Scenedesmus subspicatus*)

LC50 (96 h): 349 mg/L (Fish)

PNEC fresh water: 0.085 mg/L
PNEC salt water: 0.0085 mg/L
PNEC water (intermittent releases): 0.025 mg/L
PNEC STP: 100 mg/L
PNEC sediment (fresh water): 0.425 mg/kg sediment dw
PNEC sediment (salt water): 0.0425 mg/kg sediment dw
PNEC soil: 0.035 mg/kg soil dw
(Source: database ECHA – European Chemicals Agency)

12.2 Persistence and degradability

No data available for mixture.

1-BUTOXYPROPAN-2-OL: Easily biodegradable (OECD criteria). Disposal considerations: 90% reduction of DOC (28 days) (OECD 301E/92/69/ECC), aerobic, domestic active mud.

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS: easily biodegradable.

2-PROPYLHEPTANOL ETHOXYLATED POLYMER: Easily biodegradable >60% (28 days)

Formation of CO₂ of theoretic value (OECD 301B; ISO 9439; 92/69/ECC, C.4-C).

Disposal considerations: >=90% active substance to bismuth (OECD 303 A Guideline). The statement has been derived from products of a similar structure or composition.

2-AMINOETHANOL: Easily biodegradable

12.3. Bio accumulative potential.

No data available for mixture.

1-BUTOXYPROPAN-2-OL: no accumulation in organisms is expected for partition coefficient (Log POW),

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS: the value of Log POW is -1,3 and BCF is= 70,8.

2-AMINOETHANOL: The product has low potential for bioaccumulation.

12.4. Mobility in soil.

No data available for mixture.

2-AMINOETHANOL: the product has a high mobility.

12.5. Results of PBT and vPvB assessment.

No data available for mixture.

1-BUTOXYPROPAN-2-OL:

According to Annex XIII Regulation EC n° 1907/2006 about registration, evaluation, authorization and restriction of chemicals (Reach), it is not classified as substance PBT (persistence/bioaccumulable/toxic) and vPvB (very persistent/very bioaccumulable)

2-PROPYLHEPTANOL ETHOXYLATED POLYMER:

According to Annex XIV Regulation EC n° 1907/2006 about registration, evaluation, authorization and restriction of chemicals (Reach), it does not contains substances that satisfy the criteria PBT (persistence/bioaccumulable/toxic) or the criteria vPvB (very persistent/very bioaccumulable). Auto classification.

2-AMINOETHANOL: this product is not, and does not contain, substance classified PBT or vPvB.

12.6. Other adverse effects.

No data available

2-PROPYLHEPTANOL ETHOXYLATED POLYMER

A correct emission of small concentrations in adapted biologic depuration plants should not cause inconvenient to degradation for active muds. Do not enter the products into waters without preventive treatment.

13. DISPOSAL CONSIDERATIONS.*

13.1. Waste treatment method

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 e 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) 453/2010 of European Parliament
7. Regulation (EC) 286/2011 of European Parliament (II Atp. CLP)
8. Regulation (EC) 618/2012 of European Parliament (III Atp. CLP)

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 far health issues according to Legislation.

15.2. Chemical safety assessment.

Not available

16. OTHER INFORMATION.*

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

Eye Dam. 1 severe damage to eyes, category 1
Skin Irr. 2 Skin irritation, category 2
Eye Irr. 2 Eye irritation, category 2
Acute Tox. 4 Acute toxicity, category 4
Flamm. Liquid 3 Flammable liquid, category 3
Skin corr. 1B Skin corrosion, category 1B
H226 Flammable liquid and vapour
H302 Harmful if swallowed.
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
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

R20/21/22: HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED
R22: HARMFUL IF SWALLOWED
R34: CAUSES BURNS
R36/38: IRRITATING TO EYES AND SKIN
R38: IRRITATING TO 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 Organization 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 Accommodated 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. This 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.

Oven & Grill degreaser



INGREDIENTS SHEET

COMPONENT IUPAC	INCI NAME	CAS	Pharmacopea name	EINECS	%
Water	AQUA	7732-18-5	aqua	231-791-2	> 10
1-BUTOXYPROPAN-2-OL	PROPYLENE GLYCOL BUTYL ETHER	5131-66-8	NA	225-878-4	1-10
2-aminoethanol	ETHANOLAMINE	141-43-5	NA	205-483-3	1-10
2-PROPYLHEPTANOL ETHOXYLATED POLYMER	BA	166736-08-9	NA		1-10
SULFONIC ACIDS, C14- 16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS	SODIUM C14- 16 OLEFIN SULFONATE	68439-57-6	NA	270-407-8	0,1-1
PERFUME AND AROMATIC COMPOSITIONS AND THEIR RAW MATERIALS	PARFUM	-	NA	-	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	