Oven & Grill Cleaner

Revision n. 01
Revision date: 23/03/2017

SAFETY DATA SHEET

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

1.1. Product identifier

Mixture identification:

Trade code:	[ODS412/2] 484010678144 - [ODS413/2] 484010678145 [ODS414/2] 484010678146 - [ODS500/2] 484010678148 [ODS417/2] 484010678149 - [ODS418/2] 484010678147 [ODS419/2] 484010678150 - [ODS420/2] 484010678151 [ODS408/2] 484010678058 - [ODS421] 484000008828 [ODS421] 484000008826
Trade name:	**OVEN & GRILL CLEANER**
Chemical name and synonyms	

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

Recommended use: Oven degreaser, hotplates, barbecues, rotisseries, cooker hoods whilst.
CONSUMER USE.
Uses advised against: Do not use for purposes other than those listed.

1.3. Details of the 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) - 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

SDS121200970UK

1.4. Emergency telephone number

For urgent safety information call the Anti-Poison Center of your country. Check the emergency list on page 11.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)
Skin Corr. 1A, H314 Causes severe skin burns and eye damage.
Eye Dam. 1, H318 Causes serious eye damage.
Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements
Hazard pictograms:

Danger
Hazard statements:
H314 Causes severe skin burns and eye damage.
Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe spray.
P280 Wear protective gloves and eye protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): 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 a doctor.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with applicable regulations.
Special Provisions:
PACK1 The packing must be featured by a safety lock for children.
PACK2 The packing must have tactive indications of danger for blind people.
Contains
POTASSIUM HYDROXIDE
ALCOHOLS, C12-15, BRANCHED AND LINEAR, ETHOXYLATED
Special provisions according to Annex XVII of REACH and subsequent amendments:
None
Ingredients (Reg. EC n.648/2004):
<5% non-ionic surfactants.
Perfume (LIMONENE).

2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable.

3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
5 - 7 %	POTASSIUM HYDROXIDE; CAUSTIC POTASH	Index number: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 REACH No.: 01-2119487136-33	2.16/1 Met. Corr. 1 H290 3.2/1A Skin Corr. 1A H314 3.1/4/Oral Acute Tox. 4 H302

3 - 5 %	ALCOHOLS, C12-15, BRANCHED AND LINEAR, ETHOXYLATED	CAS: 106232-83-1 EC: 500-294-5	 3.1/4/Oral Acute Tox. 4 H302  3.3/1 Eye Dam. 1 H318

SECTION 4: First aid measures

4.1. Description of first aid measures
In case of skin contact:
Immediately take off all contaminated clothing.
After contact with skin, wash immediately with soap and plenty of water.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
In case of eyes contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.
In case of Ingestion:
Do NOT induce vomiting.
In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed
No data available for the mixture. See section 11 for symptoms and effects of the substances.

4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Water spray jet.
Carbon dioxide (CO2).
Powder.
Foam.
Extinguishing media which must not be used for safety reasons:
Water spray jet.

5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters
Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
Wash with plenty of water.

6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhaltion of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool, well-ventilated area, away from heat, flames, sparks and other sources of ignition. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
See paragraph 10 below.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)
See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
POTASSIUM HYDROXIDE; CAUSTIC POTASH - CAS: 1310-58-3
TLV TWA - 2 mg/m3
TLV STEL - C 0,87 ppm - C 2 mg/m3
DNEL Exposure Limit Values
POTASSIUM HYDROXIDE; CAUSTIC POTASH - CAS: 1310-58-3
Worker Industry: 1 mg/m3 - Consumer: 1 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
PNEC Exposure Limit Values
Data not available.

8.2. Exposure controls
Eye protection:
Wear safety goggles with side shields (EN 166).
Protection for skin:
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 water and soap.
Protection for hands:
Protect your hands with gloves, category II (Directive 89/686/EEC and EN 374) such as latex, nitrile rubber, butyl rubber PVC or equivalent. For the definitive selection of the material used for the 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.
Respiratory protection:
If you exceed the threshold value (e.g. TLV-TWA) of one or more of the substances in the mixture, wear a mask with a filter type ABEK. The class (1, 2, 3) must be chosen in relation to the limit concentration of use (EN 141).
Thermal Hazards:
None
Environmental exposure controls:
See section 7 and 13.
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	slightly viscous liquid	--	--
Odour:	perfumed	--	--
Odour threshold:	Not Relevant	--	--
pH:	14	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	Not Relevant	--	--
Flash point:	non-flammable according to the composition	--	--
Evaporation rate:	Not Relevant	--	--
Solid/gas flammability:	not applicable	--	--
Upper/lower flammability or explosive limits:	not applicable	--	--
Vapour pressure:	Not Relevant	--	--
Vapour density:	Not Relevant	--	--
Relative density:	1.075 - 1.080 g/ml	--	--
Solubility in water:	soluble	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	--
Auto-ignition temperature:	not applicable	--	--
Decomposition temperature:	Not Relevant	--	--
Viscosity:	Not Relevant	--	--
Explosive properties:	Not explosive according to the composition	--	--
Oxidizing properties:	non-oxidizing according to the composition	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	Not Relevant	--	--
Fat Solubility:	Not Relevant	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity
In normal condition of use and storage (see section 7) dangerous reactions are not expected.

10.2. Chemical stability
Stable under normal conditions

10.3. Possibility of hazardous reactions
In normal condition of use and storage dangerous reactions are not expected . Avoid contact with incompatible substances.

10.4. Conditions to avoid
Avoid overheating, electrostatic discharge and all sources of ignition.

10.5. Incompatible materials
Potassium hydroxide: Avoid contact with aluminum, zinc, tin, copper and their alloys.
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 mono-oxide and other irritating fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological information of the product:
a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
b) skin corrosion/irritation
The product is classified: Skin Corr. 1A H314
c) serious eye damage/irritation
The product is classified: Eye Dam. 1 H318
d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met
Toxicological information of the main substances found in the product:
POTASSIUM HYDROXIDE; CAUSTIC POTASH - CAS: 1310-58-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 333 mg/kg
d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative
e) germ cell mutagenicity:
Test: E. Coli mutation test Negative
Inhalation: Vapors may cause pulmonary congestion and reduced lung capacity, you may have loss of consciousness.
Ingestion: It causes burns to the mouth and esophagus, nausea, vomiting and edema of the pharynx. In severe cases there is perforation of the gastrointestinal tract and cardiovascular collapse.

Skin contact: The product can cause severe burns and necrosis.
Eye contact: It can cause serious injury, possibly loss of sight.
Acute effects: Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.
ALCOHOLS, C12-15, BRANCHED AND LINEAR, ETHOXYLATED - CAS: 106232-83-1
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Duration: 4h
c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Positive
d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
Not classified for environmental hazards
Based on available data, the classification criteria are not met
POTASSIUM HYDROXIDE; CAUSTIC POTASH - CAS: 1310-58-3
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 80 mg/l - Duration h: 96
Endpoint: LC50 - Species: MICRORG = 80 mg/l - Duration h: 24
ALCOHOLS, C12-15, BRANCHED AND LINEAR, ETHOXYLATED - CAS: 106232-83-1
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 10 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 48

12.2. Persistence and degradability
ALCOHOLS, C12-15, BRANCHED AND LINEAR, ETHOXYLATED - CAS: 106232-83-1
Biodegradability: Readily biodegradable - Test: Oxygen consumption - %: 1800
Biodegradability: Not persistent and Biodegradable - Duration h: 28 days - %: 70

12.3. Bioaccumulative potential
POTASSIUM HYDROXIDE; CAUSTIC POTASH - CAS: 1310-58-3
Not bioaccumulative

12.4. Mobility in soil
Data not available

12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number
ADR-UN Number: 1760
IATA-UN Number: 1760
IMDG-UN Number: 1760

14.2. UN proper shipping name
ADR-Shipping Name: CORROSIVE LIQUID, N.O.S. (potassium hydroxide; caustic potash)
IATA-Shipping Name: CORROSIVE LIQUID, N.O.S. (potassium hydroxide; caustic potash)
IMDG-Shipping Name: CORROSIVE LIQUID, N.O.S. (potassium hydroxide; caustic potash)

14.3. Transport hazard class(es)
ADR-Class: 8
ADR - Hazard identification number: 88
IATA-Class: 8
IATA-Label: 8
IMDG-Class: 8

14.4. Packing group
ADR-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II

14.5. Environmental hazards
ADR-Enviromental Pollutant: No
IMDG-Marine pollutant: No

14.6. Special precautions for user
ADR-Subsidiary risks: -
ADR-S.P.: 274
ADR-Transport category (Tunnel restriction code): (E)
IATA-Passenger Aircraft: 850
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 854
IATA-S.P.: A3 A803
IATA-ERG: 8L
IMDG-EmS: F-A , S-B
IMDG-Subsidiary risks: -
IMDG-Stowage and handling: Category B SW2
IMDG-Segregation: -

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
Restriction 3
Restriction 40
Restrictions related to the substances contained:
No restriction.
Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
None

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.
Substances for which a Chemical Safety Assessment has been carried out:
POTASSIUM HYDROXIDE; CAUSTIC POTASH

SECTION 16: Other information
Full text of phrases referred to in Section 3:
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Eye Dam. 1	3.3/1	Serious eye damage, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Corr. 1A, H314	Calculation method
Eye Dam. 1, H318	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.

EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

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
	BULGARIA	(00359) 0700 100 68	
	CROAZIA	(00385) 0130 40 333	
	CZECK REP.	(00420) 840 111 313	(00420) 224 91 54 02
	DENEMARK	(0045) 44880222	(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) 1 999 5000	(0036) 80 20 11 99
	IRELAND	(00353) 0844 815 8989	(00353) 1 8092566
	ITALY	(0039) 199 580 480	(0039) 02 66101029
	KAZAKISTAN	(007) 8 800 100 5731	
	NORWAY	(0047) 227 82580	(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) 8 800 100 57 31	
	SERBIA	(00381) 11 30 65 674	
	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
	TURKEY	(0090) 444 5010	
	UCRAIN	(00380) 0 800 30 20 30	