Spray for fryers

Revision n. 01
Revision date: 03/12/2015

SAFETY DATA SHEET

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

1.1. Product identifier
Mixture identification:
Trade name: FRYER SPRAY CLEANER
Trade code: [OIR016] 484000008805

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
FRYER SPRAY CLEANER
CONSUMER USE.
Uses advised against:
None in particular.

1.3. Details of the supplier of the safety data sheet
Company:
Synt Chemical S.r.l.
Via Armando Gagliani, 5
40069 Zola Predosa (BO) - ITALY
Tel. +39 051 752332 – Fax +39 051 754945
Competent person responsible for the safety data sheet:
laboratorio@syntchemical.it

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

SDS121200890UK

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
Symbols:

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.

P103 Read label before use.
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.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.

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.

Contents

D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES POTASSIUM HYDROXIDE

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

Ingredients conform to Regulation EC N.648/2004:

Contains: nonionic surfactants < 5%.

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
>= 10% - < 15%	POTASSIUM HYDROXIDE; CAUSTIC POTASH	Index number: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 REACH No.: 01-2119487136-33	 3.2/1A Skin Corr. 1A H314  3.1/4/Oral Acute Tox. 4 H302
>= 3% - < 5%	D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES	Index number: - CAS: 68515-73-1 EC: 500-220-1 REACH No.: 01-2119488530-36	 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.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
After contact with skin, wash immediately with soap and plenty of water.
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

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.
Extinguishing media which must not be used for safety reasons:
None in particular.

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 all sources of ignition.
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

Keep away from open flames, sparks, hot surfaces. 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

D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES - CAS: 68515-73-1
Worker Industry: 595000 mg/kg - Consumer: 357000 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 420 mg/m3 - Consumer: 124 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 35.7 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES - CAS: 68515-73-1
Target: Fresh Water - Value: 0.176 mg/l
Target: Marine water - Value: 0.0176 mg/l
Target: Intermittent releases - Value: 0.27 mg/l
Target: Microorganisms in sewage treatments - Value: 560 mg/l
Target: Soil (agricultural) - Value: 0.654 mg/kg

8.2. Exposure controls

Eye protection:
Use close fitting safety goggles, don't use eye lens.
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Protection for hands:
Protect your hands with gloves, category III (EN 374). 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 of one or more of the substances in the mixture, wear filter for gas/vapours of organic compounds, type B. The class (1, 2 or 3) will be chosen according to the limit concentration of use (ref. standard EN 14387).
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.
Thermal Hazards:
None

Environmental exposure controls:
Emissions from production processes, including those from ventilation should be checked to fulfill the requirements of the environmental legislation.
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:	colourless liquid	--	--
Odour:	characteristic	--	--
Odour threshold:	NA	--	--
pH:	13	--	--
Melting point / freezing point:	NA	--	--
Initial boiling point and boiling range:	NA	--	--
Flash point:	not flammable	--	--
Evaporation rate:	NA	--	--
Solid/gas flammability:	not applicable (liquid mixture)	--	--
Upper/lower flammability or explosive limits:	NA.	--	--
Vapour pressure:	NA	--	--
Vapour density:	NA	--	--
Relative density:	1.15 g/ml	--	--
Solubility in water:	soluble	--	--
Solubility in oil:	NA	--	--
Partition coefficient (n-octanol/water):	NA	--	--
Auto-ignition temperature:	NA	--	--
Decomposition temperature:	NA	--	--
Viscosity:	NA	--	--
Explosive properties:	not explosive	--	--
Oxidizing properties:	non-oxidizing	--	--

NA=not available, data not determined for the mixture.

9.2. Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions

10.2. Chemical stability
Stable under normal conditions

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

10.4. Conditions to avoid
Avoid high temperature.

10.5. Incompatible materials
Strong acids.
Oxidazing agents.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

Data not available. No toxicological tests were carried out on the mixture.

Toxicological information of the main substances found in the mixture:

POTASSIUM HYDROXIDE; CAUSTIC POTASH - CAS: 1310-58-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 333 mg/kg

Inhalation:

Vapors may cause pulmonary congestion and reduce breathing 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 it has drilling 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 cause spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Target organs:

The substance is extremely destructive to mucous membranes and the upper respiratory tract, eyes and skin.

D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES - CAS: 68515-73-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Positive

c) serious eye damage/irritation:

Test: Eye Irritant Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: GUINEAPIG Negative

Test: Respiratory Sensitization - Species: GUINEAPIG Negative

e) germ cell mutagenicity:

Test: Mutagenesis Negative

f) carcinogenicity:

Test: Carcinogenicity Negative

g) reproductive toxicity:

Test: Reproductive Toxicity Negative

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as not available by the supplier of the substance:

a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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
D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES - CAS: 68515-73-1
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/l
Endpoint: EC50 - Species: Daphnia > 100 mg/l
Endpoint: EC50 - Species: Algae > 10 mg/l
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish > 1 mg/l
Endpoint: NOEC - Species: Daphnia > 1 mg/l

12.2. Persistence and degradability
D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES - CAS: 68515-73-1
Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential
POTASSIUM HYDROXIDE; CAUSTIC POTASH - CAS: 1310-58-3
Not bioaccumulative
D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES - CAS: 68515-73-1
Not bioaccumulative

12.4. Mobility in soil
D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES - CAS: 68515-73-1
Absorption to the solid phase of the soil is not predictable. The product has not been fully tested. Data have been derived in part from products with similar structure.

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:	I
IATA-Packing group:	I
IMDG-Packing group:	I

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-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-Storage category:	Category B
IMDG-Storage notes:	Clear of living quarters.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

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)

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

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

N.A.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H318 Causes serious eye damage.

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

Insert further consulted bibliography

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.

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

H314 Calculation method.

H318 Calculation method.

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.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.

INGREDIENTS SHEET

COMPONENT IUPAC	INCI NAME	CAS	Pharmacopea name	EINECS	%
Water	AQUA	7732-18-5	aqua	231-791-2	> 10
Potassium hydroxide	POTASSIUM HYDROXIDE	1310-58-3	kalii hydroxidum	215-181-3	> 10
D-Glucopyranose, oligo-mers, decyl octyl glyco-sides	CAPRYLYL/ CAPRYL GLUCOSIDE	68515-73-1	N.D.	500-220-1	1-10
Acrylic copolymer in aqueous dispersion	N.D.	N.D.	N.D.	N.D.	1-10

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	