

Safety Data Sheet

according to Regulation (EC) No. 1907/2006
(REACH)



FRITZ SCHUR
CONSUMER PRODUCTS A/S

Trade name : Bio Grill liquid
Revision date : 28-04-2015
Print date : 30-04-2015

Version : 1.0.0

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

1.1 Product identifier

Bio Grill liquid (122100)

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

Relevant identified uses

Fuels. Consumer uses: Private households (= general public = consumers)

Uses advised against

This product should not be used for purposes other than the applications referred to above.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Fritz Schur Consumer Products A/S

Street : Esplanaden 40

Postal code/city : DK-1263 Copenhagen K

Telephone : +45 33 96 00 00

Information contact : Email: info@fscp.dk

1.4 Emergency telephone number

Members of the public seeking specific information on poisons should contact: In England and Wales: NHS 111 - dial 111, in Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Harmful: may cause lung damage if swallowed.

Xn ; R 65 · R 66

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Health hazard (GHS08)

Signal word

Danger

Hazard components for labelling

ALKANES, C12-26-BRANCHED AND LINEAR ; CAS No. : 90622-53-0

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

Hazard statements

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H304 May be fatal if swallowed and enters airways.

Precautionary statements

P102 Keep out of reach of children.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

Special rules for supplemental label elements for certain mixtures

Just a sip of grill lighter may lead to lifethreatening lung damage.

2.3 Other hazards

This material can accumulate static charge by flow or agitation and can be ignited by static discharge. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

2.4 Additional information

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Hazardous ingredients

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS ; REACH registration No. : 01-2119457273-39 ; EC No. : 918-481-9

Weight fraction : 25 - 75 %
Classification 67/548/EEC : Xn ; R65 R66
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

ALKANES, C12-26-BRANCHED AND LINEAR ; REACH registration No. : 01-2119497827-16-0000 ; EC No. : 292-454-3 ; CAS No. : 90622-53-0

Weight fraction : 25 - 75 %
Classification 67/548/EEC : Xn ; R65 R66
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Call a physician in any case!

In case of skin contact

Wash immediately with: Water and soap Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

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After ingestion

Call a physician in any case! Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

The following symptoms may occur: Headache Dizziness Nausea Diminished responsiveness Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water mist Foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Do not breathe gas/fumes/vapour/spray. Carbon Oxides

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Emergency procedures

If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Suitable material for taking up: Sand Absorbing material, organic

6.4 Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

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7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Provide earthing of containers, equipment, pumps and ventilation facilities.

Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible: Closed devices

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Suitable container/equipment material: Stainless steel Polyethylene (PE) Unsuitable container/equipment material: Butyl caoutchouc (butyl rubber)

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL/DMEL (DNEL Consumer, Systemic)

Exposure route : Dermal

Limit value : 18 Mg/kg bw/day

Limit value type : DNEL/DMEL (DNEL Consumer, Systemic)

Exposure route : Inhalation

Limit value : 94 mg/m³

Limit value type : DNEL/DMEL (Worker, Systemic)

Exposure route : Dermal

Limit value : 42 Mg/kg bw/day

Limit value type : DNEL/DMEL (Worker, Systemic)

Exposure route : Inhalation

Limit value : 147 mg/m³

8.2 Exposure controls

Appropriate engineering controls

Use only in well-ventilated areas. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Personal protection equipment

Eye/face protection



Suitable eye protection

Eye glasses with side protection

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Skin protection

Hand protection



Suitable gloves type : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material : NBR (Nitrile rubber)

Required properties : liquid-tight.

Remark : DIN-/EN-Norms DIN EN 420 DIN EN 374

Body protection

Protective clothing

Remark : Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Suitable respiratory protection apparatus Full-/half-/quarter-face masks (DIN EN 136/140) Filtering device (full mask or mouthpiece) with filter: A

General health and safety measures

Wash hands before breaks and after work.

Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour transparent

Odour characteristic

Odour threshold

No information available.

Safety relevant basis data

Freezing point :	(1013 hPa)	<	-20	°C
Boiling temperature/boiling range :	(1013 hPa)		180 - 320	°C
Decomposition temperature :			No data available	
Flash point :		>	61	°C
Ignition temperature :		>	200	°C
Lower explosion limit :			No data available	
Upper explosion limit :			No data available	
Vapour pressure :	(25 °C)		0,9	hPa
Evaporation rate :			No data available	
Density :	(15 °C)		0,765 - 0,81	g/cm ³
Water solubility :	(20 °C)		insoluble	
Fat solubility :	(20 °C)		Easily soluble.	
PH value :			No data available	

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log P O/W :	>	6,5
Viscosity :	(40 °C)	2,4 - 2,8 cSt
Viscosity :	(20 °C)	3 - 5 cSt
Odour threshold :		No data available
Relative vapour density :	(20 °C)	No data available
Flammable gases :		No data available.
Oxidising liquids :		Not oxidizing.
Explosive properties :		Not explosive according to EU A.14.

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

not applicable

10.2 Chemical stability

Stable under normal conditions of use

10.3 Possibility of hazardous reactions

Stable under normal conditions of use

10.4 Conditions to avoid

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Keep away from sources of ignition. - No smoking.

10.5 Incompatible materials

Strong oxidizers

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50
Exposure route : Oral
Species : Rat
Effective dose : > 2000 mg/kg

Acute dermal toxicity

Parameter : LD50
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg

Irritant and corrosive effects

Primary irritation to the skin

slightly irritant but not relevant for classification.

Irritation to eyes

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slightly irritant

Irritation to respiratory tract

May cause respiratory irritation.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Germ cell mutagenicity/Genotoxicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Specific target organ toxicity (single exposure)

not applicable

Specific target organ toxicity (repeated exposure)

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

Aspiration hazard

Just a sip of grill lighter may lead to lifethreatening lung damage.

SECTION 12: Ecological information

12.1 Toxicity

Harmless to aquatic organisms up to the tested concentration

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LL50
Effective dose : > 1000 mg/l
Exposure time : 96 h
Evaluation : Harmless to fish up to the concentration tested.
Methode : OECD 203

Acute (short-term) daphnia toxicity

Parameter : EL50
Effective dose : > 100 mg/l
Exposure time : 48 h
Evaluation : Harmless to daphnia up to the tested concentration.
Methode : OECD 202

Chronic (long-term) daphnia toxicity

Parameter : NOEC
Effective dose : > 1 mg/l
Exposure time : 21 d
Evaluation : Harmless to daphnia up to the tested concentration.
Methode : OECD 211

Parameter : LOEC
Effective dose : 3,2 mg/l
Exposure time : 21 d
Evaluation : Harmless to daphnia up to the tested concentration.
Methode : OECD 211

Acute (short-term) algae toxicity

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Parameter : EL50
Effective dose : > 100 mg/l
Exposure time : 72 h
Evaluation : Harmless to algae up to the concentration tested.
Methode : OECD 201

Terrestrial toxicity

Long-term toxicity of organisms living in the sediment

Parameter : LOEC
Effective dose : 1165 mg/kg
Exposure time : 10 d
Parameter : NOEC
Effective dose : 373 mg/kg
Exposure time : 10 d

Effects in sewage plants

Parameter : EC50
Effective dose : > 1000 mg/l
Exposure time : 30 m
Methode : OECD 209
Parameter : EC50
Effective dose : > 1000 mg/l
Exposure time : 3 h
Methode : OECD 209

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

No data available

12.7 Further ecological information

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Delivery to an approved waste disposal company. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code : 15 01 02* plastic packaging
Waste code : 15 01 10* packaging containing residues of or contaminated by dangerous substances
Waste code : 13 07 03* other fuels (including mixtures)

SECTION 14: Transport information

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14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Substance Name: NOXIOUS LIQUID, N.F., (7) N.O.S., (Grill liquid, contains iso-and cycloalkanes (C12+)) Ship type required: 3 Pollution category: Y

SECTION 15: Regulatory information

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

This chemical is a VOC according to 99/13/EC. This chemical is a VOC according to 2004/42/EC.

EU legislation

Other regulations (EU)

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) The product is classified and labelled according to EC directives or corresponding national laws.

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road ASTM = American Society of Testing and Materials (US) CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society) CMR = Carcinogenic, Mutagenic or Toxic for Reproduction DNEL = Derived No-Effect Level DMEL = Derived Minimal Effect Level DT50 = Time for 50% loss; half-life EbC50 = Median effective concentration (biomass, e.g. of algae) EC50 = Median effective concentration EINECS = European Inventory of Existing Commercial Chemical Substances ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide) ErC50 = Median effective concentration (growth rate, e.g. of algae) EWC = European Waste Catalogue IATA = International Air Transport Association IC50 = Concentration that produces 50% inhibition IMDG = International Maritime Dangerous Goods Code IMO = International Maritime Organization LC50 = Concentration required to kill 50% of test organisms LD50 = Dose required to kill 50% of test organisms LEL = Lower Explosive Limit/Lower Explosion Limit LOAEL = Lowest observed adverse effect level MRL = Maximum Residue Limit NOAEL = No Observed Adverse Effect Level NOEC = No observed effect concentration NOEL = No Observable Effect Level NVIC = Nationaal Vergiftigingen Informatiecentrum OECD = Organisation for Economic Cooperation and Development OEL = Occupational Exposure Limits PBT = Persistent, Bioaccumulative or Toxic PNEC = Previsible Non Effect Concentration REACH = Registration, Evaluation, Authorisation

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and Restriction of Chemicals. STEL = Short-Term Exposure Limit TWA = Time-Weighted Average WGK =
Wassergefährdungsklasse zPzB/vPvB= Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

H304 May be fatal if swallowed and enters airways.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
