

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Version number 58

Revision: 26.01.2012

## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**

- **Trade name:** FOOD GRADE GREASE + 83691

- **Article number:** 83691

- **Relevant identified uses of the substance or mixture and uses advised against**

- **Application of the substance / the preparation** Grease

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

KENT

Pitreavie Crescent

Pitreavie Business Park

Dunfermline

Fife

KY11 8UQ

Tel: 01383 737393

Fax: 01383 620079

Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

julie.fullerton@kenteurope.com

- **Emergency telephone number:**

Tel: 01383 737393 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

## 2 Hazards identification

- **Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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



Xi; Irritant

R38: Irritating to skin.



F+; Extremely flammable

R12: Extremely flammable.

R52/53-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

- **Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- **Label elements**

- **Labelling according to EU guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

(Contd. on page 2)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Version number 58

Revision: 26.01.2012

Trade name: FOOD GRADE GREASE + 83691

(Contd. of page 1)

· **Code letter and hazard designation of product:**



Xi Irritant  
F+ Extremely flammable

· **Risk phrases:**

- 12 Extremely flammable.  
38 Irritating to skin.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 16 Keep away from sources of ignition - No smoking.  
23 Do not breathe fumes/aerosol.  
24 Avoid contact with skin.  
37 Wear suitable gloves.  
51 Use only in well-ventilated areas.  
60 This material and its container must be disposed of as hazardous waste.

· **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep out of the reach of children

· **Classification in accordance with Directive 75/324/EEC:** Extremely flammable

· **Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.  
· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum, (hydrotreated light, contains < 0,1 % w/w benzene (Einecs No 200-753-7). Xn R65; Xi R38; F R11; N R51/53 R67 Flam. Liq. 1, H224; Aquatic Chronic 2, H411; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H336	10-30%
CAS: 106-97-8 EINECS: 203-448-7	Butane (containing < 0.1 % butadiene (203-450-8)) F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-30%
CAS: 74-98-6 EINECS: 200-827-9	propane liquefied F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-30%
CAS: 75-28-5 EINECS: 200-857-2	isobutane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-30%

### 4 First aid measures

· **Description of first aid measures**

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **After swallowing**

Do not induce vomiting; instantly call for medical help.

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Version number 58

Revision: 26.01.2012

**Trade name: FOOD GRADE GREASE + 83691**

(Contd. of page 2)

Rinse out mouth and then drink plenty of water.

- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
Water haze  
Fire-extinguishing powder  
Carbon dioxide  
Foam
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
Can form explosive gas-air mixtures.  
Carbon monoxide and carbon dioxide
- **Advice for firefighters**
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Put on breathing apparatus.
- **Additional information** Cool endangered containers with water spray jet.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources  
Particular danger of slipping on leaked/spilled product.  
Ensure adequate ventilation
- **Environmental precautions:**  
Inform respective authorities in case product reaches water or sewage system.  
Do not allow to enter drainage system, surface or ground water.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable containers.  
Dispose of contaminated material as waste according to item 13.
- **Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray on flames or red-hot objects.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Store in cool location.  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Version number 58

Revision: 26.01.2012

**Trade name: FOOD GRADE GREASE + 83691**

(Contd. of page 3)

Protect from heat and direct sunlight.

- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

**106-97-8 Butane (containing < 0.1 % butadiene (203-450-8))**

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
-----	---

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

- **Breathing equipment:**

Ensure good ventilation. If this is not sufficient breathing protection must be used so that the vaporisation level is held under the workplace limit.

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- **Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Tightly sealed safety glasses.

- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Aerosol
--------------	---------

<b>Colour:</b>	Whitish
----------------	---------

<b>Odour:</b>	Characteristic
---------------	----------------

- **Change in condition**

<b>Melting point/Melting range:</b>	Not determined
-------------------------------------	----------------

<b>Boiling point/Boiling range:</b>	Not applicable, as aerosol
-------------------------------------	----------------------------

<b>Flash point:</b>	Not applicable, as aerosol
---------------------	----------------------------

<b>Self-inflammability:</b>	Product is not selfigniting.
-----------------------------	------------------------------

<b>Danger of explosion:</b>	In use, may form flammable/explosive vapour-air mixture.
-----------------------------	--

(Contd. on page 5)

GB

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Version number 58

Revision: 26.01.2012

Trade name: FOOD GRADE GREASE + 83691

(Contd. of page 4)

- |   |            |
|---|------------|
| · <b>Critical values for explosion:</b>                               |            |
| Lower:  | 0.8 Vol %  |
| Upper:  | 9.0 Vol %  |
| · <b>Density at 20°C</b> <1000 kg/m <sup>3</sup>                      |            |
| · <b>Solubility in / Miscibility with Water:</b> Insoluble            |            |
| · <b>Solvent content:</b>   |            |
| Organic solvents:   | 497g/l VOC |
| · <b>Other information</b> No further relevant information available. |            |

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**  
Strong acids and oxidizing agents  
Alkali (lyes)  
Heat. Hot surfaces. Sources of ignition. Flames.
- **Hazardous decomposition products:**  
Formation of toxic gases is possible during heating or in case of fire.  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**64742-49-0 Naphtha (petroleum, (hydrotreated light, contains < 0,1 % w/w benzene (Einecs No 200-753-7).**

Oral	LD50	>5000 mg/kg (ra mg/kg (rat)
------	------	-----------------------------

Dermal	LD50	>3000 mg/kg (ra mg/kg (rat)
--------	------	-----------------------------

Inhalative	LC50(4 h)	>20 mg/l (rat) mg/l (rat)
------------	-----------	---------------------------

**106-97-8 Butane (containing < 0.1 % butadiene (203-450-8))**

Inhalative	LC50(4 h)	658 mg/l (rat)
------------	-----------	----------------

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**64742-49-0 Naphtha (petroleum, (hydrotreated light, contains < 0,1 % w/w benzene (Einecs No 200-753-7).**

EC50	1-10 mg/l (fish)
------	------------------

- **Persistence and degradability** No further relevant information available.

(Contd. on page 6)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Version number 58

Revision: 26.01.2012

Trade name: FOOD GRADE GREASE + 83691



(Contd. of page 5)

- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.  
Danger to drinking water if even small quantities leak into soil.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN1950
- **UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **Transport hazard class(es)**
- **ADR**
- 
- **Class** 2 5F Gases.
- **Label** 2.1
- **IMDG, IATA**
- 
- **Class** 2.1
- **Label** 2.1
- **Packing group**
- **ADR, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Gases.
- **Kemler Number:** -
- **EMS Number:** F-D,S-U

(Contd. on page 7)

GB

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Version number 58

Revision: 26.01.2012

Trade name: FOOD GRADE GREASE + 83691

(Contd. of page 6)

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **ADR**
- **Tunnel restriction code** D
- **UN "Model Regulation":** UN1950, AEROSOLS, 2.1

## 15 Regulatory information

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

- **National regulations**

- **Technical instructions (air):**

Class	Share in %
III	15.0

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H220 Extremely flammable gas.  
 H224 Extremely flammable liquid and vapour.  
 H280 Contains gas under pressure; may explode if heated.  
 H315 Causes skin irritation.  
 H332 Harmful if inhaled.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

R11 Highly flammable.  
 R12 Extremely flammable.  
 R38 Irritating to skin.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 Harmful: may cause lung damage if swallowed.  
 R67 Vapours may cause drowsiness and dizziness.

- **Department issuing data specification sheet:** Environment protection department

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organization  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

- **Data compared to the previous version altered.** \*