

**White Grease**

Print date : 04.10.2007

Product code : 188

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**1. Identification of the substance/preparation and of the company/undertaking**

**Identification of the substance or preparation**

White Grease

**Company/undertaking identification**

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**Further Information**

Article Number: 2701

**2. Hazards identification**

**Classification**

Indications of danger : Extremely flammable, Irritant, Dangerous for the environment  
R-phrases :  
Extremely flammable.  
In use, may form flammable/explosive vapour-air mixture.  
Irritating to skin.  
Vapours may cause drowsiness and dizziness.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**3. Composition/information on ingredients**

**Chemical characterization ( preparation )**

Surface tension compounds  
corrosion preventing agent  
Anti wear agents not classified  
Sum of ingredients:  
30 - 65 %

Propane/butane-mixture

**Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
265-151-9	64742-49-0	Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline), hydrotreated light	< 60 %	F, Xn, Xi, N R11-38-65-67-51-53

Full text of each relevant R phrase can be found in heading 16.

**4. First aid measures**

**General information**

Move victim to fresh air. Put victim at rest and keep warm.

**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.  
In case of difficulties of breathing consult physician.  
If victim is at risk of losing consciousness, position and transport on their side.

**After contact with skin**

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Take off immediately all contaminated clothing, including underwear and shoes .  
After contact with skin, wash immediately with plenty of Water and soap.  
Rub in high-fat content cream.

**After contact with eyes**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
Consult physician.

**After ingestion**

Let water be swallowed in little sips (dilution effect). Consult physician.

**Advice to doctor**

Warning about danger of aspiration.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Extinguishing powder.  
Sand.  
alcohol resistant foam.  
Carbon dioxide (CO<sub>2</sub>).

**Extinguishing media which must not be used for safety reasons**

High power water jet.

**Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases**

Formation of decomposition products possible.  
In case of fire and/or explosion do not breathe fumes.

**Special protective equipment for fire-fighters**

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

**Additional information**

Cool endangered container in case of fire.  
Contaminated fire-fighting water must be collected separately.

**6. Accidental release measures**

**Personal precautions**

In case of fire: Wear self-contained breathing apparatus.  
Keep away from sources of ignition. No smoking.  
Do not breathe gas/fumes/vapour/spray.

**Environmental precautions**

Beat down gas/vapours/mist with water spray.  
Do not empty into drains or the aquatic environment.  
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

**Methods for cleaning up/taking up**

Prevent spreading over great surfaces (e.g. by damming or installing oil booms).  
Wipe up with absorbent material (eg. cloth, fleece).

**7. Handling and storage**

**Handling**

**Advice on safe handling**

Closed devices. Vapours / aerosols must be extracted by suction immediately at point of origin.  
Avoid contact with skin and eyes.

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### Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges.

### Storage

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Storage in compliance with official storage regulations of aerosoles.

Do not store at temperatures over: 50 °C

#### Further information on storage conditions

Packaging materials: metal.

## 8. Exposure controls/personal protection

### Exposure limit values

#### Exposure limits (EH40)

CAS No.	Substance	ml/m³	mg/m³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

### Exposure controls

#### Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. "Wash hands when done working with material; at breaks, lunch, shift changes, etc."

#### Respiratory protection

Provide for good ventilation, when develop aerosols/mist. In case of insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection

Tested protective gloves are to be worn:

NBR (Nitrile rubber). : Material thickness: 0.4 – 0.5 mm , penetration time >= 240 min

FKM (Fluoroelastomer (Viton)). : Material thickness: 0.4 – 0.5 mm, penetration time >= 240 min

#### Eye protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

#### Skin protection

Wear suitable solvent-proof protective clothing according to EN 465.

## 9. Physical and chemical properties

### General information

Physical state : Aerosol  
Colour : white  
Odour : characteristic

### Important health, safety and environmental information

Test method

#### Changes in the physical state

Lower explosion limits : 0,6 vol. %

Upper explosion limits :

Density (at 20 °C) :

0,70 g/cm³

Water solubility :

insoluble

(at 20 °C)

Solubility in other solvents :

Organic solvents

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**Other information**

Ignition temperature : > 250 °C

**10. Stability and reactivity**

**Conditions to avoid**

Only use material in places where open light, fire and other sources of ignition can be kept away.  
Do not store at temperatures over: 50 °C  
Keep away from heat.

**Materials to avoid**

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

**Hazardous decomposition products**

Carbon monoxide (CO)., Carbon dioxide (CO2).

**11. Toxicological information**

**Acute toxicity**

LD50(oral, rat) > 2000 mg/Kg.  
dermal LD50 > 2000 mg/Kg (rabbit)  
inhalant LC50 > 5,5 mg/l / 4h (rat)

**Corrosive and irritant effects**

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.  
Irritation of eyes: Irritant effect possible.  
After ingestion:  
Harmful: may cause lung damage if swallowed.

**12. Ecological information**

**Ecotoxicity**

Distillates(petroleum, gasoline)  
Fish, LC50, 1-10 mg/l  
Algae, IC50, 1-10 mg/l

**Bioaccumulative potential**

Swims on the water. Low potential of bio-accumulation.

**13. Disposal considerations**

**Advice on disposal**

Do not dispose with household waste.  
Do not empty into drains or the aquatic environment.  
Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.  
Arrange about the exact waste code with the local waste disposal expert.

**Waste disposal number of waste from residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances  
Classified as hazardous waste.

**Waste disposal number of used product**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances  
Classified as hazardous waste.

**Contaminated packaging**

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.  
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

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**14. Transport information**

**Land transport (ADR/RID)**

UN number : 1950  
ADR/RID class : 2  
Classification code : 5 F  
Warning plate  
Hazard-no. : -  
Hazard label : 2.1  
ADR/RID packing group : -  
Limited quantity : 1 l

**Description of the goods**

Aerosols, flammable Propane/butane-mixture

**Inland waterways transport**

**Remarks (inland waterways transport)**

No data

**Marine transport**

UN number : 1950  
IMDG code : 2  
Marine pollutant : -  
Hazard label : 2.1  
IMDG packing group : -  
EmS : F-D, S-U  
Limited quantity : 1 l

**Description of the goods**

Aerosols, flammable Propane/butane-mixture

**Air transport**

UN/ID number : 1950  
ICAO/IATA-DGR : 2.1  
Hazard label : 2.1  
ICAO packing group : -  
Limited quantity Passenger : 30Kg G  
IATA-packing instructions - Passenger : 203  
IATA-max. quantity - Passenger : 75 Kg  
IATA-packing instructions - Cargo : 203  
IATA-max. quantity - Cargo : 150 Kg

**Description of the goods**

Aerosols, flammable Propane/butane-mixture

**15. Regulatory information**

**Labelling**

Danger symbols :

F+ - Extremely flammable; Xi - Irritant; N - Dangerous for the environment



F+ - Extremely flammable



Xi - Irritant



N - Dangerous for the environment

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**R phrases**

- 12 Extremely flammable.
- 18 In use, may form flammable/explosive vapour-air mixture.
- 38 Irritating to skin.
- 67 Vapours may cause drowsiness and dizziness.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S phrases**

- 23 Do not breathe Aerosol.
- 29 Do not empty into drains.
- 51 Use only in well-ventilated areas.
- 56 Dispose of this material and its container at hazardous or special waste collection point.

**Special labelling for 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 away from sources of ignition - No smoking. Keep out of the reach of children.

**National regulatory information**

Water contaminating class : 2 - water contaminating

**16. Other information**

**Full text of R-phrases referred to under sections 2 and 3**

- 11 Highly flammable.
- 12 Extremely flammable.
- 18 In use, may form flammable/explosive vapour-air mixture.
- 38 Irritating to skin.
- 51 Toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 67 Vapours may cause drowsiness and dizziness.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Other data**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*