

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.01.2011

Revision: 25.01.2011

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

- **Product identifier**
- **Trade name** CARAMBA Hochlast Drahtseil- und Zahnradfett (Aerosol)
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Coating material
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
CARAMBA CHEMIE GMBH & Co.KG
WANHEIMERSTR. 334/336
47055 DUISBURG
- **Informing department:**
Andrea Petersen
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2 Hazards identification

- **Classification of the substance or mixture**
 - **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.
 - **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 - **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:** Caution - substance not yet fully tested
 - **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:**
2 Keep out of the reach of children.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe aerosol.
24 Avoid contact with skin.
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.

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Trade name CARAMBA Hochlast Drahtseil- und Zahnradfett (Aerosol)

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- Do not spray on a naked flame or any incandescent material.
- Buildup of explosive mixtures possible without sufficient ventilation.
- **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:** Active substance with propellant.

• Dangerous components:

	Additiv Xn R21/22; N R51/53 GHS09 Aquatic Chronic 2, H411	< 2.5 %
CAS: 106-97-8 EINECS: 203-448-7	butane F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	20-50%
	Naphtha (Erdöl), mit Wasserstoff behandelte leichte CAS:64742-49-0 Xn R65; Xi R38; F R11; N R51/53 R67 GHS02 Flam. Liq. 2, H225; GHS08 Asp. Tox. 1, H304; GHS09 Aquatic Chronic 2, H411; GHS07 Skin Irrit. 2, H315; STOT SE 3, H336	<25%
CAS: 74-98-6 EINECS: 200-827-9	propane F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	2.5-10%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

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.
- **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.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO2, extinguishing powder, waterspray or foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.

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- **Environmental precautions:**
Inform respective authorities in case product reaches water or sewage system.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **Reference to other sections**
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 breathing equipment ready.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Only store in heated containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Protect from heat and direct sunlight.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
 - **Control parameters**
 - **Components with critical values that require monitoring at the workplace:**
- | | |
|------------------------|---|
| 106-97-8 butane | |
| WEL | Short-term value: 1810 mg/m ³ , 750 ppm
Long-term value: 1450 mg/m ³ , 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**
The usual precautionary measures should be adhered to in handling the chemicals.
Do not inhale gases / fumes / aerosols.
 - **Breathing equipment:** Use breathing protection in case of insufficient ventilation.
 - **Protection of hands:** Solvent resistant gloves
 - **Material of gloves** Nitrile rubber, NBR
 - **Penetration time of glove material** Value for the permeation: Level \geq 480
 - **Eye protection:** Tightly sealed safety glasses.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Aerosol
 - Colour:** Light yellow
 - Smell:** Characteristic
- **Change in condition**
 - Melting point/Melting range:** Not determined
- **Flash point:** Not applicable, as aerosol

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· Ignition temperature:	365°C
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
Lower:	0.8 Vol %
Upper:	10.9 Vol %
· Density at 20°C	0.800 g/cm ³ (DIN 51 757)
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Hazardous decomposition products:** None

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant for skin and mucous membranes.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Smaller quantities can be disposed with household garbage.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

- **ADR/RID-GGVS/E Class:** 2 5F Gases.
- **Kemler Number:** -
- **UN-Number:** 1950
- **Packaging group:** -
- **Label** 2.1
- **UN proper shipping name:** 1950 AEROSOLS
- **Limited quantities (LQ)** LQ2
- **Transport category** 2
- **Tunnel restriction code** D

· Maritime transport IMDG/GGVSea:

- **IMDG/GGVSea Class:** 2.1
- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Correct technical name:** AEROSOLS

· Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Correct technical name:** AEROSOLS, flammable

- **Special precautions for user** Warning: Gases.

15 Regulatory information

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

· Designation according to EC guidelines:

Caution - substance not yet fully tested

· 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:

2 Keep out of the reach of children.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe aerosol.

24 Avoid contact with skin.

51 Use only in well-ventilated areas.

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60 This material and its container must be disposed of as hazardous waste.

· **Special designation 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.

Buildup of explosive mixtures possible without sufficient ventilation.

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

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
NK	58.5

· **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.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

R11 Highly flammable.

R12 Extremely flammable.

R21/22 Harmful in contact with skin and if swallowed.

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:** Abteilung Labor

· **Contact:** Frau Petersen

· *** Data compared to the previous version altered.**

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