



# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2011

Revision: 03.12.2010

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

- **Product identifier**
- **Trade name** **CARAMBA Profi Aktiv Edelstahlreiniger (Aerosol)**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Metal-working product
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
CARAMBA CHEMIE GMBH & Co.KG  
WANHEIMERSTR. 334/336  
47055 DUISBURG  
Tel.: 0203/778601
- **Informing department:**  
Andrea Petersen  
Tel.: ++49/(0)203 / 77 86 189  
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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  
R36: Irritating to eyes.  
F+; Extremely flammable  
R12: Extremely flammable.  
R67: 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)
- **Code letter and hazard designation of product:**  
Xi Irritant  
F+ Extremely flammable
- **Risk phrases:**  
12 Extremely flammable.  
36 Irritating to eyes.  
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.  
25 Avoid contact with eyes.  
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.  
Buildup of explosive mixtures possible without sufficient ventilation.
- **Classification in accordance with Directive 75/324/EEC:** Extremely flammable

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## Trade name CARAMBA Profi Aktiv Edelstahlreiniger (Aerosol)

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- **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:**

	Isopropylalkohol CAS: 67-63-0 Xi R36; F R11 R67 GHS02 Flam. Liq. 2, H225; GHS07 Eye Irrit. 2, H319; STOT SE 3, H336	20-50%
	Aceton CAS:67-64-1 Xi R36; F R11 R66-67 GHS02 Flam. Liq. 2, H225; GHS07 Eye Irrit. 2, H319; STOT SE 3, H336	< 2.5%
	non-ionic surfactants Xi R41 GHS05 Eye Dam. 1, H318	< 2.5 %
	Naphta (Erdöl), mit Wasserstoff behandelte schwere CAS:64742-48-9 Xn R65 R10-66-67 GHS02 Flam. Liq. 3, H226; GHS08 Asp. Tox. 1, H304; GHS07 STOT SE 3, H336	20-50%
CAS: 106-97-8 EINECS: 203-448-7	butane F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	10-20%
CAS: 74-98-6 EINECS: 200-827-9	propane F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	2.5-10%

#### · **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥ 30%
non-ionic surfactants	< 5%

- **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, sand, extinguishing powder. Do not use water.

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- **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.
- **Environmental precautions:** Do not allow product to get into drains or water courses.
- **Methods and material for containment and cleaning up:** Use neutralizing agent.
- **Reference to other sections**  
See Section 8 for information on personal protection equipment.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling** Keep away from heat and direct sunlight.
- **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:** Do not seal container gastight.

## 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:**

**Isopropylalkohol CAS: 67-63-0**

OES	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

- **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.  
Instantly remove any soiled and impregnated garments.  
Avoid contact with the eyes and skin.
- **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:** Safety glasses

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**  
**Form:** Aerosol

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· <b>Colour:</b>	Clear
· <b>Smell:</b>	Type specific
· <b>Change in condition</b> Melting point/Melting range:	Not determined
· <b>Flash point:</b>	Not applicable, as aerosol
· <b>Ignition temperature:</b>	270°C
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· <b>Critical values for explosion:</b>	
Lower:	2.0 Vol %
Upper:	12.0 Vol %
· <b>Density at 20°C</b>	0.78 g/cm <sup>3</sup> (DIN 51 757)
· <b>Solubility in / Miscibility with</b> 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:**

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

**Naphta (Erdöl), mit Wasserstoff behandelte schwere CAS:64742-48-9**

Oral	LD50	>5000 mg/kg (Ratte)
Dermal	LD50	>3000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	>5 mg/l (Ratte)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** 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**
- **Acquatic toxicity:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Prevent entry of undiluted product or large quantities into sewers and waterways.

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- **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.
- **European waste catalogue**  
07 06 04 other organic solvents, washing liquids and mother liquors
- **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:**  
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

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- **Code letter and hazard designation of product:**  
*Xi Irritant*  
*F+ Extremely flammable*
- **Risk phrases:**  
*12 Extremely flammable.*  
*36 Irritating to eyes.*  
*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.*  
*25 Avoid contact with eyes.*  
*51 Use only in well-ventilated areas.*  
*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**
- **Water hazard class:** *Water hazard class 1 (Self-assessment): slightly 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.*  
*H226 Flammable liquid and vapour.*  
*H280 Contains gas under pressure; may explode if heated.*  
*H304 May be fatal if swallowed and enters airways.*  
*H318 Causes serious eye damage.*  
*H319 Causes serious eye irritation.*  
*H336 May cause drowsiness or dizziness.*
- *R10 Flammable.*  
*R11 Highly flammable.*  
*R12 Extremely flammable.*  
*R36 Irritating to eyes.*  
*R41 Risk of serious damage to eyes.*  
*R65 Harmful: may cause lung damage if swallowed.*  
*R66 Repeated exposure may cause skin dryness or cracking.*  
*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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