

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Print date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

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

**1.1 Product identifier**

Carbolak

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

No information available.

Coatings and paints, fillers, putties, thinners

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

**Supplier :** Chemische Werke Kluthe  
Werk Oberhausen

**Street :** Feldstraße 55

**Postal code/city :** D 46149 Oberhausen

**Telephone :** +49208 / 9948-166

**Telefax :** +49208 / 9948-151

**Information contact :** sds.ob@kluthe.com

**1.4 Emergency telephone number**

+49177 / 2144737 (24 h)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**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**

HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES ; EC No. : 918-481-9

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container according to local regulations

**Supplemental Hazard information (EU)**

EUH066 Repeated exposure may cause skin dryness or cracking.

**2.3 Other hazards**

# Safety Data Sheet

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



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Print date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

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

Weight fraction :  $\geq 75 - < 100 \%$

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

**This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH**

None

**This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH**

None

#### Additional information

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

#### In case of skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide (CO<sub>2</sub>) alcohol resistant foam Water mist Dry extinguishing powder

#### Unsuitable extinguishing media

Full water jet

### 5.2 Special hazards arising from the substance or mixture

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove product from

# Safety Data Sheet

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



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Print date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

area of fire. Use water spray jet to protect personnel and to cool endangered containers. Do not inhale explosion and combustion gases.

### 5.3 Advice for firefighters

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

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

### 6.4 Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13 National regulations see section 15.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Avoid: Skin contact Eye contact Inhalation Only use the material in places where open light, fire and other flammable sources can be kept away. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Take precautionary measures against static discharges.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep/Store only in original container. Keep in a cool, well-ventilated place.

#### Hints on joint storage

**Storage class (VCI):** 10

**Storage class (TRGS 510) :** 10

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES

Limit value type (country of origin) : AGW ( D )

Limit value : 50 ppm / 300 mg/m<sup>3</sup>

Remark : 8 h

Version :

Limit value type (country of origin) : AGW ( D )

Limit value : 100 ppm / 600 mg/m<sup>3</sup>

Remark : 15 min.

Version :

### 8.2 Exposure controls

#### Personal protection equipment

# Safety Data Sheet

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



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Print date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

## Eye/face protection

Eye glasses In case of increased risk, additionally Eye glasses with side protection

## Skin protection

### Hand protection

Do not wear gloves near rotary machines and tools. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Suitable gloves type :** Disposable gloves.

**Suitable material :** NBR (Nitrile rubber)

**Breakthrough time :**  $\geq$  480 min

**Thickness of the glove material :** 0,4 mm

### Body protection

Disposable suit Overall

## Respiratory protection

Usually no personal respirative protection necessary. Respiratory protection necessary at: insufficient ventilation

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Safety relevant basis data

<b>Physical state :</b>			liquid	
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	>	100,0 °C	
<b>Flash point :</b>		approx.	62,0 °C	DIN 51755 part 1
<b>Vapour pressure :</b>	( 50 °C )	<	1100,0 hPa	
<b>Density :</b>	( 20 °C )	approx.	0,794 g/cm <sup>3</sup>	
<b>Solvent separation test :</b>	( 20 °C )	<	3,0 %	
<b>Flow time :</b>	( 20 °C )	approx.	12 s	DIN-cup 4 mm
<b>Maximum VOC content (EC) :</b>	( 20 °C )		Wt %	gem. RL 1999/13/EG
<b>VOC-value :</b>		approx.	730,3 g/l	

### 9.2 Other information

no more data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

### 10.3 Possibility of hazardous reactions

Formation of explosive mixtures with: Air. possible

### 10.4 Conditions to avoid

Heat, sparks, flames and other ignition sources.

### 10.5 Incompatible materials

Alkali (lye), concentrated. Acid, concentrated. Oxidising agent, strong.

### 10.6 Hazardous decomposition products

Carbon dioxide. Carbon monoxide

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Print date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

Based on available data, the classification criteria are not met.

#### Acute oral toxicity

Parameter : LD50 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 2000 mg/kg  
Method : OECD 401

#### Acute dermal toxicity

Parameter : LD50 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Exposure route : Dermal  
Species : Rat  
Effective dose : > 2000 mg/kg  
Exposure time : 24 h  
Method : OECD 402

Parameter : LD50 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Exposure route : Dermal  
Species : Rat  
Effective dose : > 2000 mg/kg  
Exposure time : 24 h  
Method : OECD 402

#### Acute inhalation toxicity

Parameter : LC50 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 5000 mg/m<sup>3</sup>  
Exposure time : 8 h  
Method : OECD 403

#### Irritant and corrosive effects

Based on available data, the classification criteria are not met.

#### Sensitisation

Based on available data, the classification criteria are not met.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

Based on available data, the classification criteria are not met.

##### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

##### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

# Safety Data Sheet

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



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Print date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

May be fatal if swallowed and enters airways.

## 11.5 Additional information

Toxicological data are not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

Based on available data, the classification criteria are not met.

##### Acute (short-term) fish toxicity

Parameter : NOELR ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Species : Oncorhynchus mykiss (Rainbow trout)  
Effective dose : > 1000 mg/l  
Exposure time : 96 h  
Method : OECD 203

##### Chronic (long-term) fish toxicity

Parameter : NOELR ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Species : Oncorhynchus mykiss (Rainbow trout)  
Effective dose : 0,1 mg/l  
Exposure time : 28 d

##### Acute (short-term) daphnia toxicity

Parameter : NOELR ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Species : Daphnia magna (Big water flea)  
Effective dose : > 100 mg/l  
Exposure time : 48 h  
Method : OECD 202

##### Chronic (long-term) daphnia toxicity

Parameter : NOELR ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Species : Daphnia magna (Big water flea)  
Effective dose : 0,1 mg/l  
Exposure time : 28 d

##### Acute (short-term) algae toxicity

Parameter : NOELR ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Effective dose : > 100 mg/l  
Parameter : EL50 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Effective dose : > 1000 mg/l  
Parameter : NOELR ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Inhibition of growth rate  
Effective dose : 1000 mg/l  
Exposure time : 72 h  
Method : OECD 201

##### Chronic (long-term) algae toxicity

Parameter : NOELR ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Species : Pseudokirchneriella subcapitata  
Effective dose : 1000 mg/l

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Print date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

Exposure time : 72 h  
Method : OECD 201

## 12.2 Persistence and degradability

### Biodegradation

Parameter : Biodegradation ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES )  
Inoculum : Degree of elimination  
Effective dose : 80 %  
Exposure time : 28 d  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301F

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

Dispose according to legislation.

### 13.1 Waste treatment methods

No information available.

### 13.2 Additional information

None

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

### 14.8 Additional information

Land transport (ADR/RID)

# Safety Data Sheet

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



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Print date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

No dangerous good in sense of these transport regulations.

#### **Sea transport (IMDG)**

No dangerous good in sense of these transport regulations.

#### **Air transport (ICAO-TI / IATA-DGR)**

No dangerous good in sense of these transport regulations.

## SECTION 15: Regulatory information

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

#### **National regulations**

##### **Water hazard class (WGK)**

Class : 1 (Slightly hazardous to water) Classification according to AwSV

### 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Hazardous ingredients · 08. Occupational exposure limit values · 11. Aspiration hazard · 12. Aquatic toxicity · 14. Transport in bulk according to Annex II of Marpol and the IBC Code · 14. Additional information - Land transport (ADR/RID) · 14. Additional information - Sea transport (IMDG) · 14. Additional information - Air transport (ICAO-TI / IATA-DGR) · 15. Water hazard class (WGK)

### 16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)  
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)  
BCF: Bio-Concentration Factor  
BOD(5): Biochemical oxygen demand (within 5 days)  
CAS: Chemical Abstract Service  
CLP: Classification, Labelling and Packaging  
CMR: Carcinogenic, Mutagenic, toxic for Reproduction  
DIN: German Standards Institute / German industrial norm  
DNEL: Derived No Effect Level  
DOC: Dissolved organic carbon  
EAK/ AVV: European waste catalogue/ waste directory-regulation  
EC50: Effective Concentration 50%  
ECHA: European Chemical Agency  
EINECS: European Inventory of Existing Commercial Chemical Substances  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
IATA: International Air Transport Association  
IC50: Inhibition Concentration 50%  
IMDG: International Maritime Dangerous Goods Code  
LC50: Lethal Concentration 50% - LD50: Lethal dose 50%  
MAK: Treshold limit values Germany  
NLP: No Longer Polymers  
NOAEC: No Observed Adverse Effect Concentration  
NOAEL: No Observed Adverse Effect Level  
OECD: Organization for Economic Cooperation and Development  
PBT: persistent, bioaccumulative, toxic  
PC: Product category  
PNEC: Predicted No Effect Concentration



**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**



Harmony in  
Chemistry

**Trade name :** Carbolak (031320330000-0210)

**Revision date :** 12.10.2018

**Version (Revision) :** 20.0.0 (19.0.0)

**Print date :** 12.10.2018

---

REACH: Registration, Evaluation and Authorization of Chemicals  
RID: Regulations concerning the international carriage of dangerous goods by rail  
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)  
STEL: Short-term Exposure Limit  
STP: Sewage treatment plant  
SVHC: Substance of Very High Concern  
TLV: Threshold Limit Value  
TWA: Time Weighted Average  
UN: United Nations  
VOC: Volatile Organic Compounds  
vPvB: very persistent, very bioaccumulative

**16.3 Key literature references and sources for data**

None

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

No information available.

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

H304 May be fatal if swallowed and enters airways.

**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.

---