

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 14.09.2017

Version number 5

Revision: 14.09.2017

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

- **Product identifier**
- **Trade name: CORIMERPIN 6088**
- **Article number:** 601129
- **Registration number** Registration by supplier.
- **Relevant identified uses of the substance or mixture and uses advised against .**
- **Application of the substance / the mixture** Auxiliary
- **Uses advised against** No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Carpetex Lederhilfsmittel GmbH  
Am Selder 25  
D-47906 Kempen  
GERMANY  
Tel.: 02152 8999 55  
Fax: 02152 51 67 51  
E-Mail: info@carpetex.com
- **Further information obtainable from:** Safety and health group
- **Emergency telephone number:**  
Giftinformationszentrum Nord 24h-Auskunft: +49 551 19240  
This number is serviced during office hours: +49 2152 8999 55

**2 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
formic acid  
Collagens, hydrolyzates
- **Hazard statements**  
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.

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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** aqueous solution

· **Dangerous components:**

CAS: 64-18-6 EINECS: 200-579-1 Index number: 607-001-00-0 Reg.nr.: 01-2119491174-37	formic acid ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H331; ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302	25-50%
CAS: 92113-31-0 EINECS: 295-635-5	Collagens, hydrolyzates	10-25%

· **Additional information:**

CAS: 64-18-6\*

\*Proposed future entry in Annex VI of CLP Regulation

CAS 92113-31-0 - natural polymer, untreated or chemically modified

Polymers are exempted from REACH-regulation.

For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation.  
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Drink plenty of water and provide fresh air. Call for a doctor immediately.  
Do not induce vomiting.
- **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**  
Risk of aspiration.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Organic decomposition products  
Carbon oxides (COx)

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- **Advice for firefighters**
- **Protective equipment:** Use suitable breathing apparatus if necessary.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.  
Avoid contact with the eyes and skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.  
Wear protective clothing.  
Do not eat, drink or smoke in working area.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** Combustible, corrosive hazardous substance
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

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

· **Ingredients with limit values that require monitoring at the workplace:**

**64-18-6 formic acid**

IOELV 9 mg/m<sup>3</sup>, 5 ppm

· **DNELs**

**64-18-6 formic acid**

Inhalative	DNEL (Long-term, local effects)	9.5 mg/m <sup>3</sup> (worker) 9.5 mg/m <sup>3</sup> (consumer)
	DNEL (Acute, local effects)	19 mg/m <sup>3</sup> (worker) 3 mg/m <sup>3</sup> (consumer)

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· **PNECs**

**64-18-6 formic acid**

PNEC	2 mg/l (fresh water)
	0.2 mg/l (seawater)
	7.2 mg/l (wastewater treatment plant)
PNEC	13.4 mg/kg (Sediment (Süßwasser))
	1.34 mg/kg (sediment)
	1.5 mg/kg (soil)

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not eat, drink, smoke or sniff while working.

The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

· **Material of gloves**

e.g. Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.5$  mm

· **Penetration time of glove material**

Minimum breakthrough time : > 120 min (Permeation according to EN 374 Part 3: level 4)

· **Eye protection:**



Tightly sealed goggles (EN 166).

· **Body protection:** Protective work clothing

**9 Physical and chemical properties**

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

· **General Information**

· **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Brown
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.

· **pH-value (10 g/l) at 20 °C:** 2.0-3.0

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- |   |   |
|---|---|
| · <b>Change in condition</b><br>Melting point/freezing point: | Undetermined.                                 |
| Initial boiling point and boiling range:                      | ca. 105 °C                                    |
| · <b>Flash point:</b>   | >100 °C                                       |
| · <b>Flammability (solid, gas):</b>                           | Not applicable.                               |
| · <b>Ignition temperature:</b>                                |   |
| <b>Decomposition temperature:</b>                             | Not determined.                               |
| · <b>Auto-ignition temperature:</b>                           | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>                                | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                                    |   |
| Lower:  | Not determined.                               |
| Upper:  | Not determined.                               |
| · <b>Vapour pressure at 20 °C:</b>                            | ca. 23 mbar                                   |
| · <b>Density at 20 °C:</b>                                    | 1 g/cm <sup>3</sup>                           |
| · <b>Relative density</b>                                     | Not determined.                               |
| · <b>Vapour density</b>                                       | Not determined.                               |
| · <b>Evaporation rate</b>                                     | Not determined.                               |
| · <b>Solubility in / Miscibility with water:</b>              | Soluble.                                      |
| · <b>Partition coefficient: n-octanol/water:</b>              | Product is an emulsifier.                     |
| · <b>Viscosity:</b>   |   |
| Dynamic:  | Not determined.                               |
| Kinematic:  | Not determined.                               |
| · <b>Other information</b>                                    | No further relevant information available.    |

### 10 Stability and reactivity

- **Reactivity** Product is stable under normal ambient conditions.
- **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:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**  
The classification was carried out according to the calculation method described in section 3.1.3.6.1, Annex 1 of the VO1272/2008

Oral	LD50	>2000 mg/kg (--)
Inhalative	LC50/4 h	>20 mg/l (--)

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- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**  
Causes severe skin burns and eye damage.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** no data
- **Carcinogenicity** no data
- **Reproductive toxicity** no data
- **STOT-single exposure** no data
- **STOT-repeated exposure** no data
- **Aspiration hazard** no data

**12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:**  
Literature  
Component: 64-18-6 (formic acid)  
Acute: > 100 mg/l
- **Persistence and degradability**  
Component: 64-18-6 (formic acid)  
readily biodegradable
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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**  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Waste disposal key:**  
Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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### 14 Transport information

· UN-Number	
· ADR, IMDG, IATA	UN3412
· UN proper shipping name	
· ADR	3412 FORMIC ACID, mixture
· IMDG, IATA	FORMIC ACID, mixture
· Transport hazard class(es)	
· ADR, IMDG, IATA	
	
· Class	8 Corrosive substances.
· Label	8
· Packing group	
· ADR, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Corrosive substances.
· Danger code (Kemler):	80
· EMS Number:	F-A,S-B
· Segregation groups	Acids, acids
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Transport category	2
· Tunnel restriction code	E
· UN "Model Regulation":	UN3412, FORMIC ACID, mixture, 8, II

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H331 Toxic if inhaled.
- Department issuing SDS: Safety and Health group

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- **Contact:** Markus Hoffmann
- **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)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Acute Tox. 4: Acute toxicity – Category 4
  - Acute Tox. 3: Acute toxicity – Category 3
  - Skin Corr. 1A: Skin corrosion/irritation – Category 1A
  - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- **\* Data compared to the previous version altered.**

EU