

C091-K10 Kunststoffreiniger

Version: 1.8

Revision Date 05.08.2014

Print Date 06.08.2014

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

1.1 Product identifier

Trade name : C091-K10 Kunststoffreiniger

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

Use of the Sub-
stance/Mixture : Cleaner (plastic) for professional application in industry and
trade

1.3 Details of the supplier of the safety data sheet

Company : hebro chemie GmbH
Rostocker Str. 40
41199 Mönchengladbach
Contact person : Wolfgang Schaffers
Telephone : +49 (0) 2166 6009-0
Telefax : +49 (0) 2166 6009-99
Contact person product safety : Abteilung Produktsicherheit
E-mail address : info-produktsicherheit@gmx.de

1.4 Emergency telephone number

: Giftinformationszentrum Erfurt:
+49 (0) 361 730 730

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.
Harmful R65: Harmful: may cause lung damage if swal-
lowed.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms :



Harmful

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R-phrase(s) : R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.

S-phrase(s) : S2 Keep out of the reach of children.
S23 Do not breathe gas/fumes/vapour/spray.
S24 Avoid contact with skin.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazardous components which must be listed on the label:

- Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical nature : Preparation of mineral and vegetable oils plus extreme pressure additives

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	919-857-5 01-2119463258-33	R10 Xn; R65 R66 R67 Nota H, Nota P	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336	

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the Notas mentioned in this Section, see Section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : Provide fresh air.
Keep patient warm and at rest.
If symptoms persist, call a physician.
- In case of skin contact : Take off all contaminated clothing immediately.
After contact with skin, wash immediately with plenty of soap and water.
- In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Seek medical advice.
- If swallowed : Call a physician immediately.
Keep at rest.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Erythema

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.
For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry powder
Water spray jet
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Hazardous decomposition products formed under fire conditions.
Carbon monoxide
Nitrogen oxides (NO_x)

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5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Use water spray to cool unopened containers. Suppress (knock down) gases/vapours/mists with a water spray jet. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Ensure adequate ventilation. Do not breathe vapours, aerosols. Remove all sources of ignition.

6.2 Environmental precautions

- Environmental precautions : Do not empty into drains. Inform the relevant authorities if it enters sewers, aquatic environment or soil.

6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See chapter 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. When using do not eat, drink or smoke. For personal protection see section 8.
- Advice on protection against : Vapours are heavier than air and may spread along floors.

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fire and explosion

Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Follow the water regulations.
Keep only in the original container in a cool, well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Keep only in the original container in a cool, well-ventilated place.
Keep away from heat.
Keep away from sources of ignition - No smoking.
Keep at temperatures between - 7°C and 40°C.

Advice on common storage : Incompatible with oxidizing agents.

7.3 Specific end use(s)

Specific use(s) : Cleaner (plastic) for professional application in industry and trade

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL/DMEL

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics : End Use: DNEL, Industrial use, Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 208 mg/kg bw/d

End Use: DNEL, Industrial use, Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 871 mg/m³

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure

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limit they must use appropriate certified respirators.

Recommended Filter type:

ABEK-filter

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection : Solvent-resistant gloves
Protective gloves complying with EN 374.
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.
The exact break through time can be obtained from the protective glove producer and this has to be observed.

Eye protection : Safety glasses with side-shields

Skin and body protection : Protective suit

Protective measures : Follow the skin protection plan.

Environmental exposure controls

General advice : Do not empty into drains.
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : colourless
Odour : characteristic
Flash point : > 21 °C
Ignition temperature : > 300 °C
pH : No data available
Boiling point/boiling range : 82 °C

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Method: DIN 51751

Density : 0.84 g/cm³
at 20 °C
Method: DIN 51757

Water solubility : partly miscible

9.2 Other information

Explosivity : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Product is stable under appropriate usage.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity
Hydrocarbons, C₉-C₁₁, n-alkanes, isoalkanes, cyclics, < 2% aromatics : LD₅₀: > 5,000 mg/kg
Species: Rat
Method: OECD Test Guideline 401

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Acute dermal toxicity
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics : LD50: > 5,000 mg/kg
Species: Rabbit
Method: OECD Test Guideline 402

Skin corrosion/irritation

Skin irritation : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

Serious eye damage/eye irritation

Eye irritation : The liquid splashed in the eyes may cause irritation and reversible damage.

Respiratory or skin sensitisation

Sensitisation : This information is not available.

Carcinogenicity

Remarks : Not classifiable as a human carcinogen.

Further information

: According to many years of experience, there are no known harmful effects when handled properly.
Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish : No data available

Toxicity to fish
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics : Limit Test LC50: > 1,000 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 203

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Toxicity to daphnia and other aquatic invertebrates

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics : Limit Test EC50: > 1,000 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

Toxicity to algae

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics : IC50: > 1,000 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)

NOEC: 100 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)

12.2 Persistence and degradability

Biodegradability : No data available

12.3 Bioaccumulative potential

Bioaccumulation : No data available

12.4 Mobility in soil

Mobility : No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Additional ecological information : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.
Do not let product enter drains.
Do not dispose of with domestic refuse.

Packaging : Do not dispose of with domestic refuse.

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Contaminated packaging : Dispose of in accordance with local regulations.
Waste Code : 070604 other organic solvents, washing liquids and mother liquors

SECTION 14: Transport information

ADR

UN number : 3295
UN proper shipping name : HYDROCARBONS, LIQUID, N.O.S.
Transport hazard class(es) : 3
Packing group : II
Classification Code : F1
Hazard Identification Number : 33
Limited Quantity (LQ) Inner : 1.00 L
Packaging
Maximum quantity : 30.00 KG
Labels : 3
Tunnel restriction code : (D/E)
Environmentally hazardous : no

IATA

UN number : 3295
Description of the goods : Hydrocarbons, liquid, n.o.s.
Class : 3
Packing group : II
Labels : 3

IATA_C

Packing instruction (cargo aircraft) : 364
Packing instruction (LQ) : Y341
Maximum quantity : 60.00 L
Environmentally hazardous : no

IATA_P

Packing instruction (passenger aircraft) : 353
Packing instruction (LQ) : Y341
Maximum quantity : 5.00 L
Environmentally hazardous : no

IMDG

UN number : 3295
Description of the goods : HYDROCARBONS, LIQUID, N.O.S.
Class : 3
Packing group : II
Labels : 3

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EmS Number 1 : F-E
EmS Number 2 : S-D
Marine pollutant : no

"IMDG-Code segregation group not applicable".

"IMDG-Code segregation group not applicable".

RID

UN number : 3295
Description of the goods : HYDROCARBONS, LIQUID, N.O.S.
Transport hazard class(es) : 3
Packing group : II
Classification Code : F1
Hazard Identification Number : 33
Labels : 3
Limited Quantity (LQ) Inner : 1.00 L
Packaging
Maximum quantity : 30.00 KG

Environmentally hazardous : no

SECTION 15: Regulatory information

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

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.
Regional or national implementations of GHS may not implement all hazard classes and categories.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

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

R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3.

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H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.

Full text of Notas referred to under section 3

Nota H The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown. The manufacturers, importers and downstream users of this substance shall be obliged to carry out an investigation to make themselves aware of the relevant and accessible data which exists for all other properties to classify and label the substance. The final label shall follow the requirements of section 7 of Annex VI of this Directive.

Nota P The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7). When the substance is classified as a carcinogen or mutagen, Note E shall also apply. When the substance is not classified as a carcinogen or mutagen at least the S-phrases (2-)23-24-62 shall apply. This note applies only to certain complex oil-derived substances in Annex I.

Further information

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.