

1 Identification of substance

- **Product details**
- **Trade name:** Colofix
- **Article number:** 2017-AA-001
- **Application of the substance / the preparation**
Fixing and levelling agent for direct dyes on textiles
- **Manufacturer/Supplier:**
Chemische Fabrik Kreussler & Co. GmbH
Postfach 120454
D-65082 Wiesbaden
- **Information department:**
Abteilung TQM
Herr Vogel
+49 (0) 611 9271-175

2 Composition/Data on components

- **Chemical characterization:**
- **Identification number(s)** 2017
- **Chemical characterization**
- **Description:** Solution of special polymers in water
- **Dangerous components:** Void

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:** Not applicable.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
Health = 0
Fire = 1
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**
Health = 0
Fire = 1
Reactivity = 0

4 First aid measures

- **General information:** No special measures required.
- **After skin contact:** Rinse with warm water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:**
Small spills - wash to sanitary sewer with plenty of water. Large spills - soak up with approved absorbent, shovel produkt into approved container for disposal. Wash area with plenty of water.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
- **Material of gloves** PVC or PE gloves
- **For the permanent contact gloves made of the following materials are suitable:**
PVC or PE gloves
- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· General Information

Form:	Fluid
Color:	Colorless
Odor:	Characteristic

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

Flash point:	>100°C (>212°F)
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Danger of explosion:	Product does not present an explosion hazard.
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Density:	Not determined.
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· Solubility in / Miscibility with Water:

	Fully miscible.
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Printing date 06/06/2005

Reviewed on 06/06/2005

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- **Solvent content:**
- Organic solvents:** 0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
Acute oral toxicity: >2000mg/kg (Rats)
calculated from data of constituent parts.
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
The substance is not subject to classification.

12 Ecological information

- **General notes:**
On the basis of the raw materials data, including in the product, the following ecological data are to be expected.
readily bio-degradable

13 Disposal considerations

- **Product:**
- **Recommendation:** Dispose of in accordance with local, state, and federal Regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Packing group:** -
- **Label:** -
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** -
- **Danger code (Kemler):** -
- **UN-Number:** -
- **Packaging group:** -

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- Maritime transport IMDG:
- IMDG Class: -
- UN Number: -
- Label: -
- Packaging group: -
- Marine pollutant: No

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -
- UN/ID Number: -
- Label: -
- Packaging group: -

15 Regulations

- Sara

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity:**

None of the ingredients is listed.

- **Carcinogeny categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Canada WHMIS**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the informations required by the CPR.

- **WHMIS Class** Not regulated under WHMIS

- **Product related hazard informations:**

The substance is not subject to classification according to the sources of literature known to us.
Observe the general safety regulations when handling chemicals.

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- **National regulations:**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.

- **Department issuing MSDS:**
Abteilung TQM
Herr Vogel
+49 (0) 611/9271-175
- **Contact:** Herr Vogel

USA