

SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 1/11

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

1.1. Product identifier

Trade name/designation: Kölner Leaf Protect

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

Use of the substance/mixture: Colour, Surface treatment. Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: KVP Kölner Vergolderprodukte GmbH · Dresden - GERMANY

Telephone: +49 (0) 35 1 - 86 26 89 50 · Telefax: +49 (0) 35 1 - 86 26 34 91

Website: <http://kolner-vergolderprodukte.de/>

E-Mail (competent person): info@kolner-vergolderprodukte.de

1.4. Emergency telephone number

24 h: +49 (0) 55 1 - 19 24 0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	Calculation
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	Calculation

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard statements for health hazards	H315 Causes skin irritation. H319 Causes serious eye irritation.
---	---



KVP Kölner Vergolderprodukte GmbH · www.kolner-vergolderprodukte.de

Phone: +49 351 862 689 50 · Fax: +49 351 862 634 91 · info@kolner-vergolderprodukte.de

SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 2/11

Precautionary statements - Prevention	P280.3 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response	P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards


No data available.

SECTION 3: Composition / information on ingredients

3.1. Mixtures

Description: dispersion of polymer and additives in aqueous solution

Ingredients:

Product identifiers	Substance name Classification according to Regulation (EC) No.1272/2008 [CLP]	Concentration
CAS No.: 108-01-0 EC No.: 203-542-8 REACH No.: 01-2119492298-24	2-Dimethylaminoethanol Skin Corr. 1B, Flam. Liq. 3, Acute Tox. 4  Danger H226-H302-H312-H314-H332	≤ 2.5 Wt %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

- **General information:** In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.
- **Following inhalation:** Provide fresh air.
- **In case of skin contact:** Wash immediately with: Water and soap. In case of skin irritation, consult a physician.
- **After eye contact:** In case of contact with eyes, rinse thoroughly with water. In case of eye irritation consult an ophthalmologist.



SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 3/11

· **After ingestion:** Rinse mouth. Get medical advice/attention if you feel unwell.

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

Causes serious eye irritation. Causes skin irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Product does not burn. Use extinguishing measures to suit surroundings.

5.2. Special hazards arising from the substance or mixture

No special fire protection measures are necessary.

Hazardous combustion products: In case of fire may be liberated: carbon oxides (CO_x); gases/vapours, toxic.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions: Avoid contact with eyes and skin. Special danger of slipping by leaking/spilling product. Remove persons to safety.

Protective equipment: Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment: Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

· **For containment:** Wipe up with absorbent material (eg. cloth, fleece). In case and large quantities: In case and large quantities: Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquidbinding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).



SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 4/11

· For cleaning up: Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

Safe handling: see section 7.

Personal protecting equipment: see section 8.

Disposal: see section 13.

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

· Advices on safe handling: Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8)..

· Fire prevent measures: No special measures are necessary.

· Environmental precautions: Discharge into the environment must be avoided.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Apply skin care products after work.

7.2. Conditions for safe storage, including any incompatibilities

· Technical measures and storage conditions: Keep container tightly closed in a cool place.

Protect from frost and heat.

· Requirements for storage rooms and vessels: Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container.

· Hints on storage assembly: Do not store together with: Oxidising agent, strong; Acid, concentrated; Alkali (lye), concentrated. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Recommendation: Colour, Surface treatment. Observe technical data sheet



SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 5/11

SECTION 8: Exposure controls/personal protection

8.1. Control Parameters

8.1.1. Occupational exposure limit values

Limit value type (country)	Substance name	1 – Long-term occupational exposure limit value 2 – Short-term occupational exposure limit value 3 – Instantaneous value 4 – Monitoring and observation processes 5 – Remark
WEL (GB)	2-Dimethylaminoethanol CAS No.: 108-01-0	1 – 2 ppm (7.4 mg/m ³) 2 – 6 ppm (22 mg/m ³)

8.1.2. Biological limit values

No data available.

8.1.3. DNEL-/PNEC-values

No data available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

8.2.2. Personal protection equipment



Eye/face protection: Eye glasses with side protection (DIN EN 166).

Skin protection: Wear suitable gloves (EN 374).

Suitable material: NBR (Nitrile rubber) | Material thickness: $\geq 0,5$ mm

Breakthrough time: ≥ 480 min

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. In the case of wanting to use the gloves again, clean them before taking off and air them well. Check leak tightness/impermeability prior to use.

Respiratory protection: Usually no personal respiratory protection necessary. Wear breathing apparatus if exposed to vapours/ dusts/aerosols. Combination filtering device (EN 14387), Filtering device (full mask or mouthpiece) with filter: A1P2



SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 6/11

Other protection measures: Wear suitable protective clothing.

8.2.3. Environmental exposure controls

No data available.

8.3. Additional information

No data available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid Colour: white Odour: easily perceptible

Safety relevant basis data

Parameter		at ° C	Method	Remark
pH	not determined			
Melting point/freezing point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	not determined			
Decomposition temperature	not determined			
Flash point	not determined			Not sustaining combustion
Evaporation rate	not determined			
Ignition temperature	not determined			
Upper/lower flammability or explosive limits	not applicable			
Vapour pressure	not determined			
Vapour density	not determined			
Density	1 g/ml	20		
Bulk density	not applicable			
Water solubility	miscible			
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined			
VOC content (Switzerland)	20.7 g/l			



SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 7/11

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not: combustible

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Oxidizing agent, strong; Acid, concentrated; Alkali (lye), concentrated.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

In case of fire may be liberated: carbon oxides (CO_x); gases/vapours, toxic.

Further information

No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute oral toxicity: Based on available data, the classification criteria are not met.
- Acute dermal toxicity: Based on available data, the classification criteria are not met.
- Acute inhalation toxicity: Based on available data, the classification criteria are not met.
- Skin corrosion/irritation: Causes skin irritation.
- Eye damage/irritation: Causes serious eye irritation.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.



SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 8/11

- **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:** Based on available data, the classification criteria are not met.
- **Additional information:** No data available.

SECTION 12: Ecological information

12.1. Toxicity

- **Aquatic toxicity:** Based on available data, the classification criteria are not met.
- **Assessment/classification:** The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation. (EC) No 1272/2008 [CLP], Annex I.

12.2. Persistence and degradability

- **Biodegradation:** Readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

- **Akkumulation / Evaluation:** No indication of bioaccumulation potential.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment options:

- **Appropriate disposal / Product:** Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.
- **Appropriate disposal / Package:** Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.
- **Other disposal recommendations:** The allocation of waste code numbers / waste names must be carried out in accordance with the European Waste Catalogue (EWC). Collect in closed and suitable containers for disposal. Do not allow to enter into surface water or drains.



SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 9/11

13.2. Additional information

Waste for disposal is to be classified and labelled.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

Additional information:

No data available.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

This Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).



SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 10/11

15.1.2. National regulations

No data available.

15.2. Chemical Safety Assessment

No data available.

15.3. Additional information

No data available.

SECTION 16: Other information

16.1. Indication of changes

No data available.

16.2. Abbreviations and acronyms

See overview table at www.euphrac.eu

16.3. Key literature references and sources for data

European Chemicals Agency (ECHA): <http://www.echa.europa.eu>

ECHA, C&L Inventory: <http://echa.europa.eu/information-on-chemicals/cl-inventory-database>

ECHA, Registered substances: <http://echa.europa.eu/information-on-chemicals/registered-substances>

GESTIS (Gefahrstoffinformationssystem der DGUV): <http://www.dguv.de/ifa/GESTIS/index.jsp>

Hörath Gefährliche Stoffe und Gemische, 8. Auflage, Dr. Angela Schulz

Safety data sheets of the manufacturers.

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	Calculation
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	Calculation

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements



KVP Kölner Vergolderprodukte GmbH · www.kolner-vergolderprodukte.de

Phone: +49 351 862 689 50 · Fax: +49 351 862 634 91 · info@kolner-vergolderprodukte.de

SAFETY DATA SHEET – Kölner Leaf Protect

according to Regulation (EC) No. 1907/2006 (REACH) · Revision date: 10.04.2017 · Print date: 12.04.2017

Version: 1.0 · Page 11/11

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.

16.6. Training advice

No data available.

16.7. Additional information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. 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. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

