Kölner Classic FELDMANN‘S PREP

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

1.1 Product identifier
Trade name/designation:

Kölner Classic FELDMANN‘S PREP

UFI:
3U70-70KH-T00Q-1116

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture:
Primers.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

KVP Kölner Vergolderprodukte GmbH
Rennmühle 3
91126 Schwabach
GERMANY
Telephone: +49 351 86268950
Telefax: +49 351 86263491
E-mail: info@kolner-vergolderprodukte.de
Website: http://kolner-vergolderprodukte.de

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

1.4 Emergency phone number
24h: +49 351 86268950

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
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure. (nervous system)	Berechnung

2.2 Label elements

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

Hazard pictograms:



GHS08
Health hazard

Signal word: Warning

Listing of ingredients:
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hazard statements for health hazards	
H373	May cause damage to organs through prolonged or repeated exposure. (nervous system)

Precautionary statements Prevention	
P260	Do not breathe vapours.

Special rules for supplemental label elements for certain mixtures:
One-pack performance coatings, Directive 42/2004/CE, II A, with VOC limit value = 500 g/L and max. VOC content = 206,1 g/L

2.3 Other hazards

Adverse human health effects and symptoms:
May cause eye irritation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:
A mixture of the substances listed below, containing non-hazardous additives.

Ingredients:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 64742-48-9 EC No.: 919-857-5 REACH No.: 01-2119463258-33	**hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics** Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), STOT SE 3 (H336)  Danger EUH066	< 18 weight-%
CAS No.: 8042-47-5 EC No.: 232-455-8 REACH No.: 01-2119487078-27	**White mineral oil (petroleum)** Asp. Tox. 1 (H304)  Danger	5 – 15 weight-%
CAS No.: 1344-28-1 EC No.: 215-691-6 REACH No.: 01-2119529248-35	**aluminium oxide (Al_2O_3)** The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	1 – 10 weight-%
CAS No.: 106-17-2 EC No.: 203-369-8	**2-hydroxyethyl ricinoleate** Aquatic Acute 1 (H400), Aquatic Chronic 3 (H412)  Warning	1 – 5 weight-%
EC No.: 919-446-0 REACH No.: 01-2119458049-33	**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)** Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), STOT RE 1 (H372), STOT SE 3 (H336)  Danger EUH066	0.5 – 1.5 weight-%
CAS No.: 110-91-8 EC No.: 203-815-1 Index No.: 613-028-00-9 REACH No.: 01-2119496057-30	**morpholine** Acute Tox. 4 (H332, H312, H302), Flam. Liq. 3 (H226), Skin Corr. 1B (H314)  Danger	< 0.5 weight-%

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 but breathing normally, 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:
Do not subject to friction. In case of contact with eyes, rinse thoroughly with water. In case of eye irritation consult an ophthalmologist.

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Following ingestion:
Rinse mouth. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed
May cause eye irritation. May cause damage to organs through prolonged or repeated exposure. (nervous system)

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:
Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide (CO_2).

5.2 Special hazards arising from the substance or mixture
Heating causes rise in pressure with risk of bursting. Flash point ≥ 64 °C: Vapours can form explosive mixtures with air.

Hazardous combustion products:
In case of fire may be liberated: carbon oxides (COx); Gases/vapours, harmful.

5.3 Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing. 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. Eliminate all ignition sources if safe to do so. Remove persons to safety.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

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 with absorbent material (e.g. 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 liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Use appropriate container to avoid environmental contamination.

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

6.4 Reference to other sections
Safe handling: see section 7.
Personal protection equipment: see section 8.
Disposal: see section 13.

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:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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:
Primers.

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
IOELV (EU)	**morpholine** CAS No.: 110-91-8 EC No.: 203-815-1	① 10 ppm (36 mg/m³) ② 20 ppm (72 mg/m³)

8.1.2 Biological limit values

No data available.

8.1.3 DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	900 mg/m³	① DNEL consumer ② Long-term – inhalation, systemic effects
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	1,500 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	300 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects

Substance name	DNEL value	① DNEL type ② Exposure route
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	300 mg/kg bw/day	① DNEL consumer ② Long-term - dermal, systemic effects
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	300 mg/kg bw/day	① DNEL consumer ② Long-term - oral, systemic effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	91 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	45 mg/cm²	① DNEL consumer ② Long-term – inhalation, systemic effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	36 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	35.8 mg/m³	① DNEL consumer ② Long-term – inhalation, local effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	72 mg/m³	① DNEL worker ② Acute - inhalation, local effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	18 mg/m³	① DNEL consumer ② Acute - inhalation, local effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	1.04 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	0.52 mg/kg bw/day	① DNEL consumer ② Long-term - dermal, systemic effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	6.3 mg/kg bw/day	① DNEL consumer ② Long-term - oral, systemic effects
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	38 mg/kg bw/day	① DNEL worker ② Acute – oral, systemic effects

Substance name	PNEC value	① PNEC type
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	0.1 mg/L	① PNEC aquatic, freshwater
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	0.01 mg/L	① PNEC aquatic, marine water
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	10 mg/L	① PNEC sewage treatment plant
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	1.49 mg/kg	① PNEC sediment, freshwater
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	0.149 mg/kg	① PNEC sediment, marine water
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	0.239 mg/kg	① PNEC soil

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Substance name	PNEC value	① PNEC type
morpholine CAS No.: 110-91-8 EC No.: 203-815-1	0.28 mg/L	① PNEC aquatic, intermittent release

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 (EN 166).

Skin protection:

Wear suitable gloves (EN ISO 374).
Suitable material: NBR (Nitrile rubber)
Material thickness: ≥ 0,11 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 respirative protection necessary. Wear breathing apparatus if exposed to vapours/ dusts/aerosols. Combination filtering device (EN 14387) with Filter type A-P2/P3

Other protection measures:

Wear suitable protective clothing.

8.2.3 Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid
Form: liquid
Colour: white
Odour: easily perceptible
Flammability: No

Safety relevant basic data

Parameter	Value	at	① Method ② Remark
pH	8.4 – 9.2		
Melting point	*No data available.*		
Freezing point	*No data available.*		
Initial boiling point and boiling range	> 100 °C		
Flash point	64 °C		
Evaporation rate	*No data available.*		
Auto-ignition temperature	*Not applicable.*		
Upper/lower Flammability or explosive limits	0.8 – 6 Vol-%		
Vapour pressure	*No data available.*		
Vapour density	*No data available.*		
Density	0.975 – 0.995 g/mL	20 °C	
Bulk density	*Not applicable.*		

Parameter	Value	at	① Method ② Remark
Water solubility	completely mis-cible		
Dynamic viscosity	*No data available.*		
Kinematic viscosity	10.256 mm²/s		
VOC content (Switzerland)	0 g/L		

9.2 Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
The product itself does not burn.

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
Oxidising 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 (COx); Gases/vapours, harmful.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
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:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.
May cause 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.

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:
May cause damage to organs through prolonged or repeated exposure. (nervous system)

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

11.2 Information on other hazards

Endocrine disrupting properties:
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

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 fullfill 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

Accumulation / 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 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/Packaging disposal

Waste codes/waste designations according to EWC

Waste code product

08 01 11 *	Waste paint and varnish containing organic solvents or other dangerous substances
12 01 09 *	machining emulsions and solutions free of halogens

**: Evidence for disposal must be provided.*

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:
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. Waste for disposal is to be classified and labelled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
14.1 UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2 UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3 Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4 Packing group			
not relevant	not relevant	not relevant	not relevant
14.5 Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6 Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7 Maritime transport in bulk according to IMO instruments
not relevant

SECTION 15: Regulatory information

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

15.1.1 EU legislation

Authorisations:
Contains no substances listed in REACH Annex XIV.

Restrictions on use:
Contains no substances subject to the restrictions of Annex XVII of the REACH Regulation.

Other regulations (EU):
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 juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

The product does not contain substances of very high concern (SVHC) ≥ 0,1 %.
VOC content (EU): 206,1 g/L

15.1.2 National regulations
No data available.

15.2 Chemical Safety Assessment
No data available.

SECTION 16: Other information

16.1 Indication of changes
No data available.

16.2 Abbreviations and acronyms
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC_{50} = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC_{50} = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC_{50} = Lethal concentration, 50%
LD_{50} = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Content
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Content
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Key literature references and sources for data

European Chemicals Agency (ECHA): https://www.echa.europa.eu
ECHA, C&L Inventory: https://echa.europa.eu/information-on-chemicals/cl-inventory-database
ECHA, Registered substances: https://echa.europa.eu/information-on-chemicals/registered-substances
GESTIS, Information system on hazardous substances: https://www.gestis.dguv.de/search
GESTIS, International Limit Values: https://limitvalue.ifa.dguv.de
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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure. (nervous system)	Berechnung

16.5 List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

Hazard statements	
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

16.6 Training advice
No data available.

16.7 Additional information
The information in this safety 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 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.