

Safety data sheet
as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019
Printing date: 28.02.2019

SECTION 01: Identification of the substance/mixture and of the company undertaking

- **1.1 Product identifier**
- **Trade name:**
Cellulose Matting CLOU 500 glossy
- **SDB-group**
18571
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Wood coating
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Alfred Clouth
Lackfabrik GmbH & Co. KG
Otto-Scheugenpflug-Straße 2
63073 Offenbach/Main
Germany
Tel.: +49 69 - 89 00 7 - 0 / Fax : +49 69 - 89 00 7 - 140
E-Mail: info@clou.de / www.clou.de
- **Further information obtainable from:**
Laboratory:
Tel.: +49 69 89 00 7 - 104 / Fax: +49 69 89 00 7 - 48104
E-Mail: cosima.sattler@clou.de
- **1.4 Emergency telephone number:**
Giftinformationszentrum - Nord
Universitätsklinikum
Bereich Humanmedizin
Robert Koch Str.40
37075 Göttingen
Deutschland
Tel.: + 49 551 / 1 92 40

SECTION 02: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 2 - H225 Highly flammable liquid and vapour.
Eye Dam. 1 - H318 Causes serious eye damage.
STOT SE 3 - H336 May cause drowsiness or dizziness.
Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms**



GHS02



GHS05



GHS07

- **Signal word**
Danger

- **Hazard-determining components of labelling:**
isopropyl acetate / Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics / iso-butanol / Butan-1-ol

(continued on page 2)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

 Reviewed on: 28.02.2019
 Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 1)

- Hazard statements**

H225 Highly flammable liquid and vapour.
 H318-EUH066 Causes serious eye damage. Repeated exposure may cause skin dryness or cracking.
 H336 May cause drowsiness or dizziness.
 H412 Harmful to aquatic life with long lasting effects.

- Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P241 Use explosion-proof equipment.
 P243 Take action to prevent static discharges.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves / eye protection.
 P304+P312 IF INHALED: Call a doctor if you feel unwell.
 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.
 P370+P378 In case of fire: Use to extinguish: CO2, sand, extinguishing powder.
 P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

- 2.3 Other hazards**

- Results of PBT and vPvB assessment**

- PBT:**

Not applicable.

- vPvB:**

Not applicable.

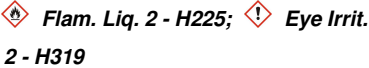
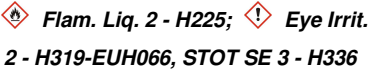
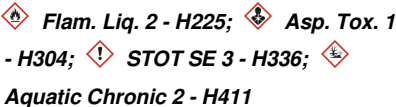
SECTION 03: Composition/information on ingredients

- 3.2 Mixtures**

- Description:**

Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:**

CAS Number		%
64-17-5	ethanol EC number: 200-578-6 Record number 01-2119457610-43 	25-50
108-21-4	isopropyl acetate EC number: 203-561-1 Record number 01-2119537214-46 	10-25
64742-49-0	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics EC number: 920-750-0 Record number 01-2119473851-33 	5-12,5

(continued on page 3)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019

Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 2)

67-63-0	Propan-2-ol EC number: 200-661-7 Record number 01-2119457558-25 Flam. Liq. 2 - H225; Eye Irrit. 2 - H319, STOT SE 3 - H336	2,5-10
123-86-4	N-butyl acetate EC number: 204-658-1 Record number 01-2119485493-29 Flam. Liq. 3 - H226; STOT SE 3 - H336	2,5-10
78-83-1	iso-butanol EC number: 201-148-0 Record number 01-2119484609-23 Eye Dam. 1 - H318; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315, STOT SE 3 - H335-H336	2,5-10
71-36-3	Butan-1-ol EC number: 200-751-6 Record number 01-2119484630-38 Eye Dam. 1 - H318; Flam. Liq. 3 - H226; Acute Tox. 4 - H302, Skin Irrit. 2 - H315, STOT SE 3 - H335-H336	< 2,5
107-98-2	1-methoxy-2-propanol EC number: 203-539-1 Record number 01-2119457435-35 Flam. Liq. 3 - H226; STOT SE 3 - H336	< 2,5

- **SVHC**

This product contains no substances in the SVHC list in a concentration > 0,1 %.

- **Additional information:**

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

SECTION 04: First aid measures

- **4.1 Description of first aid measures**

- **General information:**

Take off or remove contaminated clothing immediately.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Seek medical treatment in case of complaints.

- **After skin contact:**

Wash thoroughly with soap and water immediately and rinse well.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Drink copious amounts of water and provide fresh air. Call for a doctor immediately.

- **Information for doctor:**

Treat symptomatically.

- **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**

(continued on page 4)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019
Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

No further relevant information available.

(continued of page 3)

SECTION 05: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
 - Foam
 - Fire-extinguishing powder
 - Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:**
 - Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
 - Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
 - Mouth respiratory protective device.
- **Additional information**
 - Cool endangered receptacles with water spray.
 - Bring if possible, containers from the danger zone. With heating up, printing increase, Berst and danger of explosion.

SECTION 06: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Protection regulations (see point 7 and 8) to consider.
- **6.2 Environmental precautions:**
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Do not allow to enter sewers/ surface or ground water.
 - Possible warning the neighbourhood.
- **6.3 Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Ensure adequate ventilation.
- **6.4 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.

SECTION 07: Handling and storage

- **Handling:**
- **7.1 Precautions for safe handling**
 - Ensure good ventilation/exhaustion at the workplace.
 - Use only in well ventilated areas.
 - Smoking, drinking and eating are not permitted at the working place!
 - Keep out of the reach of children.
 - Do not breathe in fumes.
 - Do not empty into drains.
- **Information about fire - and explosion protection:**
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - Fumes can combine with air to form an explosive mixture.
 - Vapours are heavier than air.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**

(continued on page 5)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019
Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 4)

- The official regulations for the storage of paints and varnishes and Chemicals must be observed.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
 - **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
 - **Storage class:**
3
 - **7.3 Specific end use(s)**
For more information, please refer to the technical data sheet.

SECTION 08: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

64-17-5 ethanol

WEL

Long-term value	1920	mg/m3
	1000	ppm

108-21-4 isopropyl acetate

WEL

Short-term value	849	mg/m3
	200	ppm

67-63-0 Propan-2-ol

WEL

Short-term value	1250	mg/m3
	500	ppm
Long-term value	999	mg/m3
	400	ppm

123-86-4 N-butyl acetate

WEL

Short-term value	966	mg/m3
	200	ppm
Long-term value	724	mg/m3
	150	ppm

78-83-1 iso-butanol

WEL

Short-term value	231	mg/m3
	75	ppm
Long-term value	154	mg/m3
	50	ppm

71-36-3 Butan-1-ol

WEL

Short-term value	154	mg/m3
	50	ppm

Sk

107-98-2 1-methoxy-2-propanol

WEL

Short-term value	560	mg/m3
	150	ppm
Long-term value	375	mg/m3
	100	ppm

Sk

- **DNELs**

(continued on page 6)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019

Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 5)

64-17-5 ethanol

A, DNEL/DMEL: 114 mg/m³ (Consumer, Long Term Exposure)
 A, DNEL/DMEL: 950 mg/m³ (Worker, Long Term Exposure)
 A, DNEL/DMEL: 950 mg/m³ (Consumer, Short Term Exposure)
 A, DNEL/DMEL: 1900 mg/m³ (Worker, Short Term Exposure)
 H, DNEL/DMEL: 206 mg/kg (Consumer, Long Term Exposure)
 H, DNEL/DMEL: 343 mg/kg (Worker, Long Term Exposure)
 Oral, DNEL/DMEL: 87 mg/kg (Consumer, Long Term Exposure)

108-21-4 isopropyl acetate

A, DNEL/DMEL: 252 mg/m³ (Consumer, Long Term Exposure)
 A, DNEL/DMEL: 420 mg/m³ (Worker, Long Term Exposure)
 A, DNEL/DMEL: 510 mg/m³ (Consumer, Short Term Exposure)
 A, DNEL/DMEL: 850 mg/m³ (Worker, Short Term Exposure)
 H, DNEL/DMEL: 26 mg/kg (Consumer, Long Term Exposure)
 H, DNEL/DMEL: 43 mg/kg (Worker, Long Term Exposure)
 Oral, DNEL/DMEL: 26 mg/kg (Consumer, Long Term Exposure)

64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes,**cyclics**

A, DNEL/DMEL: 608 mg/m³ (Consumer, Long Term Exposure)
 A, DNEL/DMEL: 2035 mg/m³ (Worker, Long Term Exposure)
 H, DNEL/DMEL: 699 mg/kg (Consumer, Long Term Exposure)
 H, DNEL/DMEL: 773 mg/kg (Worker, Long Term Exposure)
 Oral, DNEL/DMEL: 699 mg/kg (Consumer, Long Term Exposure)

67-63-0 Propan-2-ol

A, DNEL/DMEL: 89 mg/m³ (Consumer, Long Term Exposure)
 A, DNEL/DMEL: 500 mg/m³ (Worker, Long Term Exposure)
 H, DNEL/DMEL: 319 mg/kg (Consumer, Long Term Exposure)
 H, DNEL/DMEL: 888 mg/kg (Worker, Long Term Exposure)
 Oral, DNEL/DMEL: 26 mg/kg (Consumer, Long Term Exposure)

123-86-4 N-butyl acetate

A, DNEL/DMEL: 35,7 mg/m³ (Consumer, Long Term Exposure)
 A, DNEL/DMEL: 300 mg/m³ (Worker, Long Term Exposure)
 A, DNEL/DMEL: 300 mg/m³ (Consumer, Short Term Exposure)
 A, DNEL/DMEL: 960 mg/m³ (Worker, Short Term Exposure)
 H, DNEL/DMEL: 6 mg/kg (Consumer, Long Term Exposure)
 H, DNEL/DMEL: 11 mg/kg (Worker, Long Term Exposure)
 H, DNEL/DMEL: 6 mg/kg (Consumer, Short Term Exposure)
 H, DNEL/DMEL: 11 mg/kg (Worker, Short Term Exposure)
 Oral, DNEL/DMEL: 2 mg/kg (Consumer, Long Term Exposure)
 Oral, DNEL/DMEL: 2 mg/kg (Consumer, Short Term Exposure)

78-83-1 iso-butanol

A, DNEL/DMEL: 55 mg/m³ (Consumer, Long Term Exposure)
 A, DNEL/DMEL: 310 mg/m³ (Worker, Long Term Exposure)
 Oral, DNEL/DMEL: 25 mg/kg (Consumer, Long Term Exposure)

71-36-3 Butan-1-ol

A, DNEL/DMEL: 55 mg/m³ (Consumer, Long Term Exposure)
 A, DNEL/DMEL: 310 mg/m³ (Worker, Long Term Exposure)
 Oral, DNEL/DMEL: 3125 mg/kg (Worker, Long Term Exposure)

107-98-2 1-methoxy-2-propanol

A, DNEL/DMEL: 43,9 mg/m³ (Consumer, Long Term Exposure)
 A, DNEL/DMEL: 369 mg/m³ (Worker, Long Term Exposure)
 A, DNEL/DMEL: 553,5 mg/m³ (Worker, Short Term Exposure)
 H, DNEL/DMEL: 78 mg/kg (Consumer, Long Term Exposure)
 H, DNEL/DMEL: 183 mg/kg (Worker, Long Term Exposure)
 Oral, DNEL/DMEL: 3,3 mg/kg (Consumer, Long Term Exposure)

• PNECs**64-17-5 ethanol**

PNEC: 0,96 mg/l (Fresh water)
 PNEC: 0,79 mg/l (Seawater)

(continued on page 7)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019

Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 6)

PNEC: 2,75 mg/l (Liberation - sporadic -)
 PNEC: 580 mg/l (Defecator)
 PNEC: 3,6 mg/kg (sediment (Fresh water))
 PNEC: 2,9 mg/kg (sediment (seawater))
 PNEC: 0,63 mg/kg (Bottom)

108-21-4 isopropyl acetate

PNEC: 0,22 mg/l (Fresh water)
 PNEC: 0,022 mg/l (Seawater)
 PNEC: 1,25 mg/kg (sediment (Fresh water))
 PNEC: 0,125 mg/kg (sediment (seawater))

67-63-0 Propan-2-ol

PNEC: 140,9 mg/l (Fresh water)
 PNEC: 140,9 mg/l (Seawater)
 PNEC: 2251 mg/l (Defecator)
 PNEC: 552 mg/kg (sediment (Fresh water))
 PNEC: 552 mg/kg (sediment (seawater))
 PNEC: 28 mg/kg (Bottom)

123-86-4 N-butyl acetate

PNEC: 0,18 mg/l (Fresh water)
 PNEC: 0,018 mg/l (Seawater)
 PNEC: 0,36 mg/l (Liberation - sporadic -)
 PNEC: 35,6 mg/l (Defecator)
 PNEC: 0,981 mg/kg (sediment (Fresh water))
 PNEC: 0,0981 mg/kg (sediment (seawater))
 PNEC: 0,0903 mg/kg (Bottom)

78-83-1 iso-butanol

PNEC: 0,4 mg/l (Fresh water)
 PNEC: 0,04 mg/l (Seawater)
 PNEC: 1,52 mg/kg (sediment (Fresh water))
 PNEC: 0,152 mg/kg (sediment (seawater))

71-36-3 Butan-1-ol

PNEC: 0,082 mg/l (Fresh water)
 PNEC: 0,0082 mg/l (Seawater)
 PNEC: 2476 mg/l (Defecator)
 PNEC: 0,178 mg/kg (sediment (Fresh water))
 PNEC: 0,0178 mg/kg (sediment (seawater))

107-98-2 1-methoxy-2-propanol

PNEC: 10 mg/l (Fresh water)
 PNEC: 1 mg/l (Seawater)
 PNEC: 100 mg/l (Liberation - sporadic -)
 PNEC: 100 mg/l (Defecator)
 PNEC: 52,3 mg/kg (sediment (Fresh water))
 PNEC: 5,2 mg/kg (sediment (seawater))
 PNEC: 4,59 mg/kg (Bottom)

• 8.2 Exposure controls**• Personal protective equipment:****• General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Avoid contact with the eyes and skin.

- Respiratory protection: If the solvent concentration is above WEL limits, a breathing mask approved for this purpose must be worn. Filter A2/P2.**

(continued on page 8)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019
Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 7)

- **Protection of hands:** The glove material has to be impermeable and resistant to the product the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Preventive skin protection by use of skin-protecting agents is recommended. Protective gloves made of latex / neoprene. Degradation effect G to E Instalment of permeation E to ND ($< 0.9 \mu\text{g} / \text{cm}^2 / \text{min}$). Protective factor index: special subject class 6. After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Eye protection: Safety glasses**
- **Body protection: Protective work clothing**

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not usable on solvent preparations.

Change in condition Phase transfer: fluid - solid

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	78,0 °C
Flash point (approximately):	2,0 °C DIN 51 755
Flammability (solid, gas):	Not applicable.
Ignition temperature (approximately):	200,00 °C (lowest value of the single components)
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	0,80 Vol %
Upper:	19,00 Vol %

Oxidising properties Not determined

Vapour pressure: at 20,00 °C 35,0000 hPa

Density: 0,8700 g/cm³

Vapour density Not determined.

Evaporation rate Not applicable.

Solubility in / Miscibility with water: Organic solvents (ethanol)
Insoluble.

Partition coefficient: n-octanol/water: Not determined.

Viscosity (according to DIN 53211)

Dynamic:	Not determined.
Kinematic:	at 20,00 °C 13,00 s DIN 4 mm

Solvent separation test: < 3 %

Solvent content (approximately):

Organic solvents (approximately):	79,00 %
VOC (EC)	687,00 g/l

(continued on page 9)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019

Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 8)

Solids content (approximately): 21,00 %**9.2 Other information** No further relevant information available.**SECTION 10: Stability and reactivity****• 10.1 Reactivity**

On storage in containers no traffic laws intolerances are to be expected with the tank shell.

• 10.2 Chemical stability

Stable at room temperature

• Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

• 10.3 Possibility of hazardous reactions

Forms explosive gases/fumes.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.

• 10.4 Conditions to avoid

No further relevant information available.

• 10.5 Incompatible materials:

No further relevant information available.

• 10.6 Hazardous decomposition products:

Flammable gases/vapours

SECTION 11: Toxicological information**• 11.1 Information on toxicological effects****• Acute toxicity****• LD/LC50 values relevant for classification:****64-17-5 ethanol**

Oral, LD50: > 2000 mg/kg (rat)

Dermal, LD50: > 2000 mg/kg (Rabbit)

Inhalative, LC50/4h: > 20 mg/l (rat)

108-21-4 isopropyl acetate

Oral, LD50: 6750 mg/kg (rat)

Dermal, LD50: 17400 mg/kg (Rabbit)

Inhalative, LC50/4h: 50,6 mg/l (rat)

64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes,**cyclics**

Oral, LD50: > 5840 mg/kg (rat)

Dermal, LD50: > 2920 mg/kg (rat)

Dermal, LD50: > 2000 mg/kg (Rabbit)

Inhalative, LC50/4h: > 23,3 mg/l (rat)

67-63-0 Propan-2-ol

Oral, LD50: 4750 mg/kg (rat)

Dermal, LD50: 12800 mg/kg (Rabbit)

Inhalative, LC50/4h: 30 mg/l (rat)

123-86-4 N-butyl acetate

Oral, LD50: 13100 mg/kg (rat)

Dermal, LD50: >5000 mg/kg (Rabbit)

Inhalative, LC50/4h: > 21,1 mg/l (rat)

78-83-1 iso-butanol

Oral, LD50: 2830 mg/kg (rat)

Dermal, LD50: > 2000 mg/kg (Rabbit)

Inhalative, LC50/4h: > 18,18 mg/l (rat)

71-36-3 Butan-1-ol

Oral, LD50: 2292 mg/kg (rat)

Dermal, LD50: 3430 mg/kg (Rabbit)

Inhalative, LC50/4h: 8000 mg/l (rat)

107-98-2 1-methoxy-2-propanol

(continued on page 10)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019

Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 9)

Oral, LD50: 4016 mg/kg (rat)

Dermal, LD50: > 2000 mg/kg (Rabbit)

Inhalative, LC50/4h: > 25,8 mg/l (rat)

- **Primary irritant effect:**

- **Skin corrosion/irritation**

Repeated exposure may cause skin dryness or cracking.

Irritant to skin and mucous membranes.

- **Serious eye damage/irritation**

Irritating effect.

- **Respiratory or skin sensitisation**

No sensitising effects known.

- **Additional toxicological information:**

The breathing in of solvent proportions above the value of M. W. C.-value can lead to health damages, such as irritating mucous membranes and respiratory organs, kidney and liver damages as well as to the impairment of the central nervous system. Signs and symptoms: Headache, dizziness and tiredness, myasthenia, numbing effect and also unconsciousness in exceptional cases. Longer and repeated skin contact can lead to drying out the skin or to skin irritations, respectively. Solvent splashes can lead to eye irritations and reversible damages. In such cases a physician should be consulted at once.

The product shows the following dangers based on the calculation method of the General EU Classification Guidelines for Substances and Mixtures according to the CLP Regulation in the latest version:

Eye Dam. 1 - H318 Causes serious eye damage.

STOT SE 3 - H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

- **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**

STOT SE 3 - H336 May cause drowsiness or dizziness.

- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

64-17-5 ethanol

Dermal, L(E)C50: 15300 mg/l (fish)

Dermal, L(E)C50: > 10000 mg/l (daphnie)

108-21-4 isopropyl acetate

Dermal, L(E)C50: 360 mg/l (fish)

Dermal, L(E)C50: 370 mg/l (alga)

Dermal, L(E)C50: > 1000 mg/l (daphnie)

64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes,

cyclics

Dermal, L(E)C50: 4,6 - 10,0 mg/l (daphnie)

67-63-0 Propan-2-ol

Dermal, L(E)C50: 9640 mg/l (fish)

Dermal, L(E)C50: 13299 mg/l (daphnie)

123-86-4 N-butyl acetate

Dermal, L(E)C50: 18 mg/l (fish)

(continued on page 11)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019

Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 10)

Dermal, L(E)C50: 675 mg/l (alga)
 Dermal, L(E)C50: 44 mg/l (daphnie)
 Dermal, NOEC: 200 mg/l (alga)

78-83-1 iso-butanol

Dermal, L(E)C50: 1430 mg/l (fish)
 Dermal, L(E)C50: 1250 mg/l (alga)
 Dermal, L(E)C50: 1100 mg/l (daphnie)
 Dermal, NOEC: 53 mg/l (alga)
 Dermal, NOEC: 20 mg/l (daphnie)

71-36-3 Butan-1-ol

Dermal, L(E)C50: 1730-1910 mg/l (fish)
 Dermal, L(E)C50: > 500 mg/l (alga)
 Dermal, L(E)C50: 1983 mg/l (daphnie)

107-98-2 1-methoxy-2-propanol

Dermal, L(E)C50: > 1000 mg/l (fish)
 Dermal, L(E)C50: > 1000 mg/l (alga)
 Dermal, L(E)C50: 23300 mg/l (daphnie)

- **12.2 Persistence and degradability**

No further relevant information available.

- **12.3 Bioaccumulative potential**

No further relevant information available.

- **12.4 Mobility in soil**

No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:**

Harmful to fish

- **Additional ecological information:**

- **General notes:**

Harmful to aquatic organisms.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:**

Not applicable.

- **vPvB:**

Not applicable.

- **12.6 Other adverse effects**

No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

The mentioned waste code number according to the European waste code catalogue are regarded as a recommendation. A final determining has to be effected in agreement with the regional place of waste disposal as well as the competent authorities.

- **Waste disposal key:**

08 01 11 waste paint and varnish containing organic solvents or other hazardous substances

- **European waste catalogue**

08

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 01

wastes from MFSU and removal of paint and varnish

08 01 11

waste paint and varnish containing organic solvents or other hazardous substances

(continued on page 12)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019
Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 11)

- **Uncleaned packaging:**
Disposal of uncleaned packagings according to European waste code number 15 01 10.
- **Recommendation:**
Disposal according to 15 01 04 (metal).
EAK-Nummer 15 01 02 / plastic
Packaging can be reused or recycled after cleaning.
- **Recommended cleansing agents:**
CLOU Special thinner MP
CLOU V1 Thinner

SECTION 14: Transport information

• 14.1 UN-Number

ADR	UN1263
IMDG	UN1263
IATA	UN1263
ADR	1263 PAINT (ETHANOL (ETHYL ALCOHOL))
IMDG	PAINT
IATA	PAINT

• 14.3 Transport hazard class(es)

ADR	
Class	3 Flammable liquids.
Label	



IMDG

Class	3 Flammable liquids.
Label	



IATA

Class	3 Flammable liquids.
Label	



• 14.4 Packing group

ADR	II
IMDG	II
IATA	II

• 14.5 Environmental hazards:

Not applicable.

• 14.6 Special precautions for user

Warning: Flammable liquids.

Danger code (Kemler): 33

EMS Number: F-E,S-E

• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

(continued on page 13)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019
Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 12)

Not applicable.

• **Transport/Additional information:**

Not applicable.

Excepted quantities (EQ): E2

Limited quantities (LQ) 5L

Transport category 2

Tunnel restriction code D/E

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) E2

• **UN "Model Regulation":**

UN 1263 PAINT (ETHANOL (ETHYL ALCOHOL)), 3, II

SECTION 15: Regulatory information

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

• **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

• **REGULATION (EC) No 1907/2006 ANNEX XVII**

Conditions of restriction: 3, 40

• **National regulations:**

• **Information about limitation of use:**

Pregnant and breastfeeding women and young persons.

• **15.2 Chemical safety assessment:**

For this product no appraisal of substance safety was carried out. Information from exposure scenarios of the following substances were integrated into section 1-16:

N-butyl acetate

Butan-1-ol

ethanol

Isobutanol

Propan-2-ol

isopropyl acetate

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

1-methoxy-2-propanol

The compliance with the application conditions and measures for risk minimisation contained in this material safety data sheet ensures the conformity with the existing exposure scenarios.

Storage class:

3

SECTION 16: Other information

Other information:

• **Reasons for changes**

P-statements were adjusted according to the classification.

• **Relevant phrases**

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

(continued on page 14)

Safety data sheet

as per 1907/2006/EC, Article 31

851900

Reviewed on: 28.02.2019

Printing date: 28.02.2019

PRODUCT : Cellulose Matting CLOU 500 glossy

(continued of page 13)

- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

- **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Department issuing MSDS:**

Laboratory / Department of Material Safety Data Sheets:
Phone: +49 69 89 00 7 - 104 / Fax: +49 69 89 00 7 - 48104/
E-Mail: cosima.sattler@clou.de

- **Information:**

The information given in this safety data sheet is based on the present level of knowledge, but does not represent an assurance of product characteristics.

The user is responsible for observing all necessary legal regulations.

For further information on the handling and application of the product(s), please refer to our label and the technical instructions leaflet or contact our Customer Service Department on Tel.: +49 69 / 89 00 7 - 124, -107 or -227.

According to § 14 GefStoffV the employer must provide instruction to the employees affected on the basis of the operating instructions every year. The content and time of the instruction is to be recorded in writing and confirmed by signatures from those receiving instruction.

Please observe work safety measures in items 8 and 15.

Use only for intended purposes. Keep out of the reach of children.

- **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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEL: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**