

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

850400

Reviewed on: 21.02.2019
Printing date: 21.02.2019

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

- **1.1 Product identifier**
- **Trade name:**
Universal coating lacquer 9200
- **SDB-group**
18903
- **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**
Skin Irrit. 2 - H315 Causes skin irritation.
Eye Irrit. 2 - H319 Causes serious eye irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms**



GHS07

- **Signal word**
Warning
- **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3- one [EC No 247-500-7] and 2-methyl-2 H - isothiazol-3-one [EC No 220-239-6] (3:1)

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- . May produce an allergic reaction.
- **Precautionary statements**
 - P280 Wear protective gloves / eye protection.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - 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**
- **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		%
111-76-2	2-butoxyethanol EC number: 203-905-0 Record number 02-2119764899-11 ⚠ Acute Tox. 4 - H302, Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319	5-12,5
2634-33-5	1,2-benzisothiazol-3(2H)-one EC number: 220-120-9 Record number 05-2114263215-55 ⚠ Eye Dam. 1 - H318; ⚠ Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1 - H317; ⚠ Aquatic Acute 1 - H400	< 0,05
2682-20-4	2-methyl-2H-isothiazol-3-one EC number: 220-239-6 Record number 05-2114483051-57 ⚠ Skin Corr. 1B - H314; ⚠ Acute Tox. 3 - H301-EUH071, Acute Tox. 3 - H311, Acute Tox. 2 - H330; ⚠ Skin Sens. 1 - H317; ⚠ Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	< 0,1
55965-84-9	a mixture of: 5-chloro-2-methyl-2 H - isothiazol-3- one [EC No 247-500-7] and 2-methyl-2 H - isothiazol-3-one [EC No 220-239-6] (3:1) EC number: 911-418-6 ⚠ Skin Corr. 1B - H314; ⚠ Acute Tox. 3 - H301, Acute Tox. 3 - H311, Acute Tox. 3 - H331; ⚠ Skin Sens. 1 - H317; ⚠ Aquatic Acute 1 - H400, Aquatic Chronic 1 -	< 0,0015

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H410

- **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. If symptoms persist, 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**
No further relevant information available.

SECTION 05: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Product is not combustible.
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
No special measures required.

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.
Dilute with plenty of water.
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).
- **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.

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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 empty into drains.
- **Information about fire - and explosion protection:**
No special measures required.
Vapours are heavier than air.
- **Application by spraying:**
If any persons, regardless whether or not they actually perform spray-painting themselves, are working inside the spraying chamber during varnishing there is the risk that they will be exposed to aerosols and fumes of solvent. Particularly in regard to spraying mist it is rather improbable that the maximum permissible values for dust particles will be constantly met. Under such conditions it is recommended to wear breathing masks (half masks with particle filter of at least filter class P 2 or force-ventilated breathing masks) until aerosol and solvent fumes concentrations will be again under the limit value for exposition.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
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 a cool place, free of frost and dry in well sealed original casks.
- **Storage class:**
1.2
- **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:**

111-76-2 2-butoxyethanol

WEL

<i>Short-term value</i>	50	ppm
<i>Long-term value</i>	25	ppm

Sk

- **DNELs**

111-76-2 2-butoxyethanol

A, DNEL/DMEL: 49 mg/m³ (Consumer, Long Term Exposure)
A, DNEL/DMEL: 98 mg/m³ (Worker, Long Term Exposure)
A, DNEL/DMEL: 123 mg/m³ (Consumer, Short Term Exposure)
A, DNEL/DMEL: 246 mg/m³ (Worker, Short Term Exposure)
H, DNEL/DMEL: 38 mg/kg (Consumer, Long Term Exposure)
H, DNEL/DMEL: 75 mg/kg (Worker, Long Term Exposure)
H, DNEL/DMEL: 44,5 mg/kg (Consumer, Short Term Exposure)
H, DNEL/DMEL: 89 mg/kg (Worker, Short Term Exposure)
Oral, DNEL/DMEL: 3,2 mg/kg (Consumer, Long Term Exposure)
Oral, DNEL/DMEL: 13,4 mg/kg (Consumer, Short Term Exposure)

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• PNECs

111-76-2

2-butoxyethanol

PNEC: 8,8 mg/l (Fresh water)
PNEC: 0,88 mg/l (Seawater)
PNEC: 463 mg/l (Defecator)
PNEC: 34,6 mg/kg (sediment (Fresh water))
PNEC: 3,46 mg/kg (sediment (seawater))
PNEC: 3,13 mg/kg (Bottom)

55965-84-9

a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

PNEC: 0,000049 mg/l (Fresh water)
PNEC: 0,0000098 mg/l (Seawater)
PNEC: 0,000009 mg/l (Bottom)
PNEC: 0,000045 mg/l (Defecator)

• 8.2 Exposure controls

• Personal protective equipment:

• General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing
Avoid contact with the skin.

• Respiratory protection: If the solvent concentration is above WEL limits, a breathing mask approved for this purpose must be worn. Filter A1/P2.

• 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 nitril. 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: at 20,00 °C 7,5 - 8,5 (pure)

Change in condition Phase transfer: fluid - solid

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 100,0 °C

Flash point (approximately): Not applicable.

Flammability (solid, gas): Not applicable.

Ignition temperature (approximately): Not applicable

Decomposition temperature: Not determined.

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Auto-ignition temperature:	Product is non combustible.
Explosive properties:	Product does not present an explosion hazard.
Oxidising properties	Not determined
Vapour pressure:	at 20,00 °C 23,0000 hPa
Density:	1,0250 g/cm ³
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity (according to DIN 53211)	
Dynamic:	Not determined.
Kinematic:	at 20,00 °C 22,00 - 28,00 s DIN 4 mm
Solvent separation test:	< 3 %
Solvent content (approximately):	
Organic solvents (approximately):	12,00 %
VOC (EC)	123,00 g/l
Solids content (approximately):	32,00 %
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**
No dangerous reactions known.
- **10.4 Conditions to avoid**
No further relevant information available.
- **10.5 Incompatible materials:**
No further relevant information available.
- **10.6 Hazardous decomposition products:**
No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:**
 - 111-76-2 2-butoxyethanol**
Oral, LD50: 1746 mg/kg (rat)
Dermal, LD50: 1100 mg/kg (Rabbit)
Inhalative, LC50/4h: 2-20 mg/l (rat)
 - 2634-33-5 1,2-benzisothiazol-3(2H)-one**
Oral, LD50: 1193 mg/kg (rat)
 - 2682-20-4 2-methyl-2H-isothiazol-3-one**
Oral, LD50: 120 mg/kg (rat)
Dermal, LD50: 242 mg/kg (rat)
Inhalative, LC50/4h: 0,34 mg/l (rat)
 - 55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)**

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- Oral, LD50: 66 mg/kg (rat)
Dermal, LD50: 141 mg/kg (Rabbit)
- **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**
Sensitisation possible through skin contact.
Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3: 1). May produce an allergic reaction.
 - **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.
2-butoxyethanol and its acetate are skin resorptive and cause harmful effects to the blood.
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 Irrit. 2 - H319 Causes serious eye irritation.
Skin Irrit. 2 - H315 Causes skin irritation.
 - **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**
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.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
 - 111-76-2 2-butoxyethanol**
Dermal, L(E)C50: 1474 mg/l (fish)
Dermal, L(E)C50: 1840 mg/l (alga)
Dermal, L(E)C50: 1550 mg/l (daphnie)
Dermal, NOEC: >100 mg/l (fish)
Dermal, NOEC: 100 mg/l (daphnie)
 - 2634-33-5 1,2-benzisothiazol-3(2H)-one**
Dermal, L(E)C50: 2,15 mg/l (fish)
Dermal, L(E)C50: 0,155 mg/l (alga)
Dermal, L(E)C50: 2,9 mg/l (daphnie)
Dermal, NOEC: 1,3 mg/l (fish)
Dermal, NOEC: 0,084 mg/l (alga)
 - 2682-20-4 2-methyl-2H-isothiazol-3-one**
Dermal, L(E)C50: 5,45 mg/l (fish)

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Dermal, L(E)C50: 0,0695 mg/l (daphnie)
55965-84-9 *a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)*

Dermal, L(E)C50: 0,188 mg/l (fish)
Dermal, L(E)C50: 0,027 mg/l (alga)
Dermal, L(E)C50: 0,126 mg/l (daphnie)
Dermal, NOEC: 0,098 mg/l (fish)
Dermal, NOEC: 0,0012 mg/l (alga)
Dermal, NOEC: 0,004 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.

• **Additional ecological information:**

• **General notes:**

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

• **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 12 / waste paint and varnish other than those mentioned in 08 01 11

• **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 12

waste paint and varnish other than those mentioned in 08 01 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:**

Water, if necessary with cleansing agents.

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SECTION 14: Transport information

- **14.1 UN-Number**

ADR	Void
IMDG	Void
IATA	Void
ADR	Void
IMDG	Void
IATA	Void

- **14.3 Transport hazard class(es)**

ADR	
Class	Void
IMDG	
Class	Void
IATA	
Class	Void

- **14.4 Packing group**

ADR	Void
IMDG	Void
IATA	Void

- **14.5 Environmental hazards:**

Not applicable.

- **14.6 Special precautions for user**

Not applicable.

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

Not applicable.

- **Transport/Additional information:**

Protect against frost!

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

- **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:

2-butoxyethanol

a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3- one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

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:**

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The safety data was only updated. There were no changes.

• Relevant phrases

EUH071 Corrosive to the respiratory tract.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H311 Toxic in contact with skin.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H330 Fatal if inhaled.
 H331 Toxic if inhaled.
 H332 Harmful if inhaled.
 H400 Very toxic to aquatic life.
 H410 Very 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)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

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SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative

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

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