



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 8/3/2017
Version: 7
Language: en-GB,IE
Date of print: 22/3/2017

CONTACT

Material number KON.D800

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

1.1 Product identifier

Trade name: CONTACT

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

General use: Adhesive

1.3 Details of the supplier of the safety data sheet

Company name: GLUETEC Industrieklebstoffe GmbH & Co. KG

Street/POB-No.: Am Biotop 8a

Postal Code, city: 97259 Greußenheim
Germany

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Dept. responsible for information:

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1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,
Telephone: +49 551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Flam. Liq. 2; H225	Highly flammable liquid and vapour.
Eye Irrit. 2; H319	Causes serious eye irritation.
STOT SE 3; H336 (EUH066)	May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.
Aquatic Chronic 2; H411	Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Danger

Hazard statements:	H225	Highly flammable liquid and vapour.
	H319	Causes serious eye irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.
	EUH066	Repeated exposure may cause skin dryness or cracking.



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Precautionary statements:

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Special labelling

EUH208 Contains Colophony. May produce an allergic reaction.
Contains Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane; Ethyl acetate and Butanone.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119486291-36-xxxx EC No. 926-605-8	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	25 - 50 %	Flam. Liq. 2; H225. STOT SE 3; H336. Asp. Tox. 1; H304. Aquatic Chronic 2; H411. (EUH066).
EC No. 205-500-4 CAS 141-78-6	Ethyl acetate	10 - 25 %	Flam. Liq. 2; H225. Eye Irrit. 2; H319. STOT SE 3; H336. (EUH066).
EC No. 201-159-0 CAS 78-93-3	Butanone	10 - 25 %	Flam. Liq. 2; H225. Eye Irrit. 2; H319. STOT SE 3; H336. (EUH066).
EC No. 203-777-6 CAS 110-54-3	n-Hexane	< 2.5 %	Flam. Liq. 2; H225. Skin Irrit. 2; H315. Repr. 2; H361f. STOT SE 3; H336. STOT RE 2; H373. Asp. Tox. 1; H304. Aquatic Chronic 2; H411.
EC No. 232-475-7 CAS 8050-09-7	Colophony	< 1 %	Skin Sens. 1; H317.
REACH 01-2119463881-32-xxxx EC No. 215-222-5 CAS 1314-13-2	Zinc oxide	< 0.5 %	Aquatic Acute 1; H400. Aquatic Chronic 1; H410.



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

SECTION 4: First aid measures

4.1 Description of first aid measures

- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. In case of respiratory difficulties seek medical attention. If unconscious place in recovery position and seek medical advice.
- Following skin contact: Immediately remove all contaminated clothing. Thoroughly wash skin with soap and water. In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek the attention of an ophthalmologist immediately.
- After swallowing: Do not induce vomiting.
Rinse mouth immediately and drink plenty of water.
Never give anything by mouth to an unconscious person.
Keep airway open. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause drowsiness or dizziness.

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 fog, foam, powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:
Full water jet

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour.
With air, vapours form potentially explosive mixtures, which are heavier than air. Vapours may proceed on the ground over great distances and cause fire and backflashes.
In case of fire may be liberated: Smoke, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Hazchem-Code: •3YE
Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers.
Move undamaged containers from immediate hazard area if it can be done safely.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Do not allow fire water to penetrate into surface or ground water.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Avoid contact with the substance.
Eliminate all ignition sources if safe to do so. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.
Cordon off downwind area at risk and warn inhabitants.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!
In case of release, notify competent authorities.

6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).
Beware of reignition. Thoroughly clean surrounding area.
In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out). Use explosion-proof equipment and non-sparking tools/utensils.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe vapours.
Avoid contact with skin and eyes. Wear appropriate protective equipment.
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.
In partially filled containers explosive mixtures may form.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.
Store containers in upright position.

Hints on joint storage: Do not store together with combustible or self-igniting materials or any highly flammable solids. Keep away from food, drink and animal feedingstuffs.

Further details: Storage and handling of larger containers (> 10 kg): Take precautionary measures against static discharges. Use only explosion-protected equipment/instruments. Do not weld.

7.3 Specific end use(s)

No information available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
-	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	Great Britain: WEL-TWA	1800 mg/m ³ (C5-C6 alkenes)
141-78-6	Ethyl acetate	Europe: IOELV: STEL Europe: IOELV: TWA Great Britain: WEL-STEL Great Britain: WEL-TWA Ireland: 15 minutes Ireland: 8 hours	1468 mg/m ³ ; 400 ppm 734 mg/m ³ ; 200 ppm 1460 mg/m ³ ; 400 ppm 730 mg/m ³ ; 200 ppm 400 ppm 200 ppm
78-93-3	Butanone	Europe: IOELV: STEL Europe: IOELV: TWA Great Britain: WEL-STEL Great Britain: WEL-TWA Ireland: 15 minutes Ireland: 8 hours	900 mg/m ³ ; 300 ppm 600 mg/m ³ ; 200 ppm 899 mg/m ³ ; 300 ppm 600 mg/m ³ ; 200 ppm 900 mg/m ³ ; 300 ppm (May be absorbed through the skin.) 600 mg/m ³ ; 200 ppm (May be absorbed through the skin.)
110-54-3	n-Hexane	Europe: IOELV: TWA Great Britain: WEL-TWA Ireland: 8 hours	72 mg/m ³ ; 20 ppm 72 mg/m ³ ; 20 ppm 72 mg/m ³ ; 20 ppm
8050-09-7	Colophony	Great Britain: WEL-STEL Great Britain: WEL-TWA Ireland: 15 minutes Ireland: 8 hours	0.15 mg/m ³ 0.05 mg/m ³ 0.15 mg/m ³ (Sen) 0.05 mg/m ³ (Sen)
1314-13-2	Zinc oxide	Great Britain: MEL/OES-STEL Great Britain: MEL/OES-TWA Ireland: 15 minutes Ireland: 8 hours	10 mg/m ³ Smoke 5 mg/m ³ Smoke 10 mg/m ³ (respirable fraction) 2 mg/m ³ (respirable fraction)

DNEL/DMEL: Information about Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane:
 DNEL workers, inhalative, systemic: 5306 mg/m³
 DNEL workers, dermal, systemic: 13964 mg/kg bw/d
 DNEL consumers, inhalative, systemic: 1131 mg/m³
 DNEL consumers, dermal, systemic: 1377 mg/kg bw/d
 DNEL consumers, oral, systemic: 1301 mg/kg bw/d

8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.



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Personal protection equipment

Occupational exposure controls

- Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (= against vapours of organic substances) according to EN 14387. Wear self-contained breathing apparatus if circumstances are indefinite or oxygen content is below 17%.
- Hand protection: Protective gloves according to EN 374. Glove material: Nitrile rubber - Layer thickness: 0.40 mm. Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to EN 166.
- Body protection: Flame retardant, antistatic and chemical resistant protective clothing.
- General protection and hygiene measures: Use only non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Do not breathe vapour/aerosol. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. When using do not eat, drink or smoke. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Form: liquid, viscous Colour: yellow up to brown
Odour:	like solvent
Odour threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	(Ethyl acetate) 77 °C (calculated)
Flash point/flash point range:	-23 °C (calculated)
Evaporation rate:	No data available
Flammability:	Highly flammable liquid and vapour.
Explosion limits:	LEL (Lower Explosion Limit): 1.00 Vol-% UEL (Upper Explosive Limit): 11.50 Vol-% (calculated)
Vapour pressure:	at 20 °C: (Ethyl acetate) 97.46 hPa
Vapour density:	No data available
Density:	0.85 g/mL (ISO 2811)
Water solubility:	not determined
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, dynamic:	2400 - 3400 mPa*s
Viscosity, kinematic:	at 40 °C: >= 21 mm ² /s
Explosive properties:	Potentially explosive vapour/air mixtures may form.
Oxidizing characteristics:	No data available



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9.2 Other information

Ignition temperature: (Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane) 246 °C
(calculated)
Solvent content: 72.77 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Highly flammable liquid and vapour.
Vapours can form explosive mixtures with air.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Heating will lead to pressure increase: Danger of bursting and explosion.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect against direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition: In case of fire may be liberated: Smoke, carbon monoxide and carbon dioxide.
No data available



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Repeated exposure may cause skin dryness or cracking.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Lack of data.
May cause irritations.
Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Lack of data.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): STOT SE 3; H336 = May cause drowsiness or dizziness.
Susceptible persons: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms

In case of inhalation: Nausea, vomiting, diarrhoea
After contact with skin:
Repeated exposure may cause skin dryness or cracking. Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.
Information about Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane:
Fish toxicity: LL50 *Oncorhynchus mykiss*: 12 mg/L/96h (OECD 203)
Algae toxicity: EbL50 *Pseudokirchneriella subcapitata* (green algae): 26 mg/L/72h (OEVD 201)

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

12.4 Mobility in soil

No data available



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12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 08 04 09* = Waste adhesives and sealants containing organic solvents or other dangerous substances

MFSU = manufacture, formulation, supply and use

* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Waste key number: 15 01 04 = Metallic packaging

Recommendation: Dispose of waste according to applicable legislation.

Handle contaminated packages in the same way as the substance itself.

Non-contaminated packages may be recycled.

Handle empty containers with care. Incineration may cause explosion.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:

UN 1133

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

UN 1133, Adhesives

14.3 Transport hazard class(es)

ADR/RID: Class 3, Code: F1

IMDG: Class 3, Subrisk-

IATA-DGR: Class 3



14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

II

14.5 Environmental hazards

Marine pollutant: yes



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14.6 Special precautions for user

Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 33, UN number UN 1133
Hazard label: 3
Special provisions: 640D
Limited quantities: 5 L
EQ: E2
Contaminated packaging - Instructions: P001 IBC02 R001
Contaminated packaging - Special provisions: PP1
Special provisions for packing together: MP19
Portable tanks - Instructions: T4
Portable tanks - Special provisions: TP1 TP8
Tank coding: LGBF
Tunnel restriction code: D/E

Sea transport (IMDG)

EmS: F-E, S-D
Special provisions: -
Limited quantities: 5 L
Excepted quantities: E2
Contaminated packaging - Instructions: P001
Contaminated packaging - Provisions: PP1
IBC - Instructions: IBC02
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP1, TP8
Stowage and handling: Category B.
Properties and observations: Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.
Segregation group: none

Air transport (IATA)

Hazard label: Flamm. liquid
Excepted Quantity Code: E2
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft: Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only: Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
Special provisions: A3
Emergency Response Guide-Code (ERG): 3L

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available



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SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: •3YE
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word: **Danger**

Hazard statements: H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements: P102 Keep out of reach of children.
P261 Avoid breathing vapours/spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

H225 = Highly flammable liquid and vapour.
H304 = May be fatal if swallowed and enters airways.
H315 = Causes skin irritation.
H317 = May cause an allergic skin reaction.
H319 = Causes serious eye irritation.
H336 = May cause drowsiness or dizziness.
H361f = Suspected of damaging fertility.
H373 = May cause damage to organs through prolonged or repeated exposure.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.
H411 = Toxic to aquatic life with long lasting effects.
EUH066 = Repeated exposure may cause skin dryness or cracking.
EUH208 = Contains Colophony. May produce an allergic reaction.

Reason of change: Changes in section 8: occupational exposure limit value EU (ethyl acetate)
Date of first version: 28/1/2014

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information



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For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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