

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.08.2016

Version number 3

Revision: 02.08.2016





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

- **1.1 Product identifier**
- **Trade name:** **COELAN Flexo Primer BB**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - No further relevant information available.
- **Sector of Use**
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Process category**
 - PROC10 Roller application or brushing
- **Application of the substance / the mixture**
 - Primer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - KEMPER SYSTEM GmbH & Co. KG
 - Holländische Strasse 32-36
 - 34246 Vellmar
 - Deutschland / Germany
 - Telefon: +49 (0)561 / 8295-0
 - Telefax: +49 (0)561 / 8295-5110
 - E-Mail: MSDS@KEMPER-SYSTEM.COM
- **Further information obtainable from:**
 - Research and Development
- **1.4 Emergency telephone number:**
 - Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen
 - Langenbeckstraße 1; Gebäude 601; 55131 Mainz
 - Tel. Nr.: +49 (0)6131 / 19 24 0
 - Universitätsmedizin der Johannes Gutenberg-Universität Mainz

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3	H226	Flammable liquid and vapour.
Eye Irrit. 2	H319	Causes serious eye irritation.
Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 - The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS02
GHS07
GHS08
GHS09
- **Signal word**

Danger
- **Hazard-determining components of labelling:**
 - hydrocarbons, C9, aromatic
 - Polyoxy(methyl-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene
 - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 - 4-methyl-m-phenylene diisocyanate
- **Hazard statements**

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.
- **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
 - EUH204 Contains isocyanates. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**
 - Not applicable.

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- vPvB: Not applicable. (Contd. of page 1)

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures

- Description: Mixture: consisting of the following components.

- Dangerous components:

EC number: 918-668-5	hydrocarbons, C9, aromatic Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	25-50%
CAS: 37273-56-6 EC number: 609-378-7	Polyoxy(methyl-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene Eye Irrit. 2, H319; Skin Sens. 1, H317	25-50%
CAS: 140921-24-0 ELINCS: 411-700-4	1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Skin Sens. 1, H317	2.5-10%
CAS: 53880-05-0 EC number: 931-312-3	Isophorondiisocyanate homopolymer Skin Sens. 1, H317; STOT SE 3, H335	2.5-10%
EC number: 919-446-0	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	0.5-2.5%
CAS: 1330-20-7 EINECS: 215-535-7	xylene Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	0.5-2.5%
CAS: 77-58-7 EINECS: 201-039-8	dibutyltin dilaurate Muta. 2, H341; Repr. 1B, H360FD; STOT SE 1, H370; STOT RE 1, H372; Skin Corr. 1C, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	< 0.5%
CAS: 25550-51-0 EINECS: 247-094-1	hexahydromethylphthalic anhydride Resp. Sens. 1, H334; Eye Dam. 1, H318; Skin Sens. 1, H317	< 0.5%
CAS: 584-84-9 EINECS: 209-544-5	4-methyl-m-phenylene diisocyanate Acute Tox. 1, H330; Resp. Sens. 1, H334; Carc. 2, H351; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412	< 0.5%

- SVHC

25550-51-0 | hexahydromethylphthalic anhydride

- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- General information:

Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Do not leave affected persons unattended.
Personal protection for the First Aider.
Take affected persons out of danger area and lay down.
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.
Immediately wash with water and soap and rinse thoroughly.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Protect unharmed eye.
If symptoms persist consult doctor.

- After inhalation:

- After skin contact:

- After eye contact:

- After swallowing:

- 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 5: Firefighting measures

- 5.1 Extinguishing media

- Suitable extinguishing agents:

CO2, sand, extinguishing powder. Do not use water.
ABC powder
Use fire extinguishing methods suitable to surrounding conditions.
Alcohol resistant foam

- For safety reasons unsuitable extinguishing agents:

Water with full jet

- 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- 5.3 Advice for firefighters

- Protective equipment:

Mouth respiratory protective device.
Do not inhale explosion gases or combustion gases.

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- Additional information

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Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.

- 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.
Prevent from spreading (e.g. by damming-in or oil barriers).

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

- 6.4 Reference to other sections

Do not flush with water or aqueous cleansing agents
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Use only in well ventilated areas.

- Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

- 7.2 Conditions for safe storage, including any incompatibilities

- Storage:

- Requirements to be met by storerooms and receptacles:

Provide solvent resistant, sealed floor.

- Information about storage in one common storage facility:

Store away from foodstuffs.

- Further information about storage conditions:

Protect from frost.
Keep container tightly sealed.
Recommended storage temperature: 10-30 °C

- Storage class:

3

- 7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities:

No further data; see item 7.

- 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

1330-20-7 xylene

WEL Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
Sk; BMGV

77-58-7 dibutyltin dilaurate

WEL Short-term value: 0.2 mg/m³
Long-term value: 0.1 mg/m³
as Sn; Sk

584-84-9 4-methyl-m-phenylene diisocyanate

WEL Short-term value: 0.07 mg/m³
Long-term value: 0.02 mg/m³
Sen; as -NCO

- Ingredients with biological limit values:

1330-20-7 xylene

BMGV 650 mmol/mol creatinine
Medium: urine
Sampling time: post shift
Parameter: methyl hippuric acid

- Additional information:

The lists valid during the making were used as basis.

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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Use suitable respiratory protective device in case of insufficient ventilation.
Filter A/P2
- **Respiratory protection:**
- **Protection of hands:**



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.
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
- **Material of gloves** Nitrile rubber, NBR
Butyl rubber, BR
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.
Recommended thickness of the material: ≥ 0.5 mm
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level ≥ 6).
- **Penetration time of glove material**
- **Eye protection:**



Tightly sealed goggles
- **Body protection:** Protective work clothing
Impervious protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Fluid
 - Colour:** According to product specification
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
 - Melting point/Melting range:** Undetermined.
 - Boiling point/Boiling range:** Undetermined.
- **Flash point:** 39 °C
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Density at 20 °C:** 0.97 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

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- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
- Solvent content:	
VOC (EC)	43.90 %
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity	No further relevant information available.
- 10.2 Chemical stability	
- Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions	Reacts with water and acids. Reacts with amines. Reacts with water. Reacts with humid air.
- 10.4 Conditions to avoid	No further relevant information available.
- 10.5 Incompatible materials:	Amines, acids, alkalis, strong oxidants, alcohols
- 10.6 Hazardous decomposition products:	No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects	
- Acute toxicity	Based on available data, the classification criteria are not met.

- LD/LC50 values relevant for classification:

hydrocarbons, C9, aromatic

Oral	LD50	3592 mg/kg (rat) (OECD 401)
Dermal	LD50	> 3160 mg/kg (rabbit) (OECD 402)

37273-56-6 Polyoxy(methyl-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene

Oral	LD50	>5000 mg/kg (rat)
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140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)

53880-05-0 Isophorondiisocyanate homopolymer

Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	>14000 mg/kg (rat)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Oral	LD50	>15000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 3400 mg/kg (rat) (OECD 402)

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)

77-58-7 dibutyltin dilaurate

Oral	LD50	2071 mg/kg (rat) (equivalent or similar to OECD 401; Sarasin, G. 1981)
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25550-51-0 hexahydromethylphthalic anhydride

Oral	LD50	>5000 mg/kg (rat)
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584-84-9 4-methyl-m-phenylene diisocyanate

Oral	LD50	5110 mg/kg (rat) (male; OECD 401)
		4130 mg/kg (rat) (female; OECD 401)
Dermal	LD50	>9400 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	0.107 mg/l (rat) (OECD 403)
	LC50/1 h	0.47 mg/l (rat) (OECD 403)
	LC50	0.47 mg/l (rat) (1h; OECD 403)

- Primary irritant effect:	
- Skin corrosion/irritation	Based on available data, the classification criteria are not met.
- Serious eye damage/irritation	Causes serious eye irritation.
- Respiratory or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - **Germ cell mutagenicity**
 - **Carcinogenicity**
 - **Reproductive toxicity**
 - **STOT-single exposure**
 - **STOT-repeated exposure**
 - **Aspiration hazard**
- Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.
May cause respiratory irritation. May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

hydrocarbons, C9, aromatic

LL 50	9.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; Petrotox Computer Modell (v3.04))
EL50	2.6 - 2.9 mg/l (Pseudokirchneriella subcapitata) (72h; Petrotox Computer Modell (v3.04))
	3.2 mg/l (Daphnia magna) (48h; OECD 202)
LC50	1-10 mg/l (ALGAE)
LC 50	1-10 mg/l (fish)

37273-56-6 Polyoxy(methyl-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene

EC50	> 10000 mg/l (Belebtschlamm) (OECD 209)
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140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

LC50/96 h	316 mg/l (Danio rerio (Zebrafisch)) (OECD 203)
EC50	1.77 mg/l (Bakterien) (activated sludge; ISO 8192-1986 E)
IC50	43 mg/l (DESMODESMUS SUBSPICATUS) (72h; OECD 201)
EC50	193 mg/l (Daphnia magna) (48h; OECD 202)

53880-05-0 Isophorondiisocyanate homopolymer

LC50/96 h	>1.51 mg/l (Cyprinus Carpio) (Richtlinie 67/548/EWG, Anhang V, C.1.)
EC50	>3.36 mg/l (Daphnia magna) (OECD- Prüfrichtlinie 202)
EC50	>10000 mg/l (Belebtschlamm) (OECD- Prüfrichtlinie 209)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

LL 50	10 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)
NOELR	0.13 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (72h)
EL50	4.6 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)
	10 mg/l (Daphnia magna) (48h; OECD 202)
NOEC	0.097 mg/kg (Daphnia magna) (21 days)

1330-20-7 xylene

LC50/96 h	26.7 mg/l (Pimephales promelas)
IC50	2.2 mg/l (ALGAE)
EC50	165 mg/l (daphnia)

77-58-7 dibutyltin dilaurate

EC50	3.1 mg/l (Brachydanio rerio (Ricefish))
	>2 mg/l (DESMODESMUS SUBSPICATUS) (72h)
	1 mg/l (Scenedesmus subspicatus)
	0.66 mg/l (Daphnia magna) (OECD 202)
LC 50	2 mg/l (Leuciscus idus (Goldorfe)) (48h)
LC20	2 mg/l (Leuciscus idus (Goldorfe)) (48h)

584-84-9 4-methyl-m-phenylene diisocyanate

NOEC	> 1000 mg/kg (Eisenia fetida) (14 days; OECD 207)
NOEC	1.1 mg/kg (Daphnia magna) (21d)
ErC50	4300 mg/l (Clorella vulgaris) (96h; OECD 201)
	3230 mg/l (Skeletoneema costatum) (96h; OECD 201)
LC50/96 h	133 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (OECD 203)
EC50	> 100 mg/l (Belebtschlamm) (3h; OECD 209)
EC50	12.5 mg/l (Daphnia magna) (OECD 202)
EC50	>100 mg/l (Belebtschlamm)

- **12.2 Persistence and degradability**
 - **12.3 Bioaccumulative potential**
 - **12.4 Mobility in soil**
 - **Ecotoxic effects:**
 - **Remark:**
- No further relevant information available.
No further relevant information available.
No further relevant information available.
Toxic for fish

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- Additional ecological information:

- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
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.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

- 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

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
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08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
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- Uncleaned packaging:

- Recommendation:

Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number

- ADR, IMDG, IATA

UN1866

- 14.2 UN proper shipping name

- ADR

- IMDG

- IATA

1866 RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS
RESIN SOLUTION (Solvent naphtha (petroleum), light arom., 1,2,4-trimethyl-
benzene), MARINE POLLUTANT
RESIN SOLUTION

- 14.3 Transport hazard class(es)

- ADR



- Class

- Label

3 (F1) Flammable liquids.

3

- IMDG



- Class

- Label

3 Flammable liquids.

3

- IATA



- Class

- Label

3 Flammable liquids.

3

- 14.4 Packing group

- ADR, IMDG, IATA

III

- 14.5 Environmental hazards:

- Marine pollutant:

- Special marking (ADR):

Product contains environmentally hazardous substances: dibutyltin dilaurate
Yes
Symbol (fish and tree)
Symbol (fish and tree)

- 14.6 Special precautions for user

- Danger code (Kemler):

- EMS Number:

Warning: Flammable liquids.

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F-E,S-E

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- Stowage Category	A
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- Transport category	3
- Tunnel restriction code	D/E
- IMDG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN 1866 RESIN SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I

- Seveso category

4-methyl-m-phenylene diisocyanate
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS

- Qualifying quantity (tonnes) for the application of lower-tier requirements

200 t

- Qualifying quantity (tonnes) for the application of upper-tier requirements

500 t

- REGULATION (EC) No 1907/2006 ANNEX XVII

Conditions of restriction: 3, 20

- National regulations:

- Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57

25550-51-0 | hexahydromethylphthalic anhydride

- 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
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.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H360FD May damage fertility. May damage the unborn child.
H370 Causes damage to organs.
H372 Causes 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.
H412 Harmful to aquatic life with long lasting effects.

- Department issuing SDS:

research & development

- Contact:

research & development

- 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)

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Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: **COELAN Flexo Primer BB**

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IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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)
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
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 1: Acute toxicity – Category 1
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Muta. 2: Germ cell mutagenicity – Category 2
Carc. 2: Carcinogenicity – Category 2
Repr. 1B: Reproductive toxicity – Category 1B
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- Sources

Internet:
- www.echa.com
- www.baua.de
- www.gestis.itrust.de (IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance)

- * Data compared to the previous version altered.

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