

MATERIAL SAFETY DATA SHEET

CLASSICBOND CONTACT ADHESIVE

Material Safety Data Sheet

According to 91/155 EEC

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• 1 Identification of substance

• Product details

- Trade name Classic Bond Contact Adhesive
- Application of the substance / the preparation
Adhesives

• Manufacturer/Supplier:

Flex-R Limited
Unit 5 Central Park Bellfield Road High Wycombe
Bucks HP13 5HG United Kingdom

• Emergency information:

+44 (0) 1494 448792

• 2 Composition/Data on components:

- Chemical characterization
- Description: Solvent mixture with additives.

Dangerous components:

108-88-3 toluene	25-50 %
Xn, F; R 11-20	
EINECS: 203-625-9	
142-82-5 heptane	10-25 %
Xn, F, N; R 11-38-50/53-65-67	
EINECS: 205-563-8	
2-methylpentane	<12.5 %
Xn, F, N; R 11-38-51/53-65-67	
67-64-1 acetone	5-10 %
Xi, F; R 11-36-66-67	
EINECS: 200-662-2	

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78-93-3 butanone

5-10 %

Xi, F; R 11-36-66-67

EINECS: 201-159-0

108-87-2 methylcyclohexane

< 5 %

Xn, F, N; R 11-38-51/53-65-67

EINECS: 203-624-3

91673-30-2 Formaldehyde, reaction products with butylphenol

< 5 %

Xi; R 43

EINECS: 294-145-9

• **3 Hazards identification**

• **Hazard designation:**

Xn Harmful

F Highly flammable

N Dangerous for the environment

• **Information pertaining to particular dangers for man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Has a narcotic effect.

R 11 Highly flammable.

R 20 Harmful by inhalation.

R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

• **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

• **4 First aid measures**

• **General information**

Instantly 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.

Take affected persons into the open air.

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- **After inhalation**
Supply fresh air and call for doctor for safety reasons.
In case of unconsciousness bring patient into stable side position for transport.
Supply fresh air.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.

• **5 Fire fighting measures**

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet.
Foam
- **For safety reasons unsuitable extinguishing agents**
Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter drains.

• **6 Accidental release measures**

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources
Use breathing protection against the effects of fumes/dust/aerosol.
Wear protective clothing.

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- **Measures for environmental protection:**
 - Do not allow product to reach sewage system or water bodies.
 - Prevent material from reaching sewage system, holes and cellars.
 - Inform respective authorities in case product reaches water or sewage system.
 - Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose of contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
 - Send for recovery or disposal in suitable containers.
 - Use non sparking handtools.

- **7 Handling and storage**

- **Handling**
- **Information for safe handling:**
 - Store in cool, dry place in tightly closed containers.
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - Ensure that suitable extractors are available on processing machines
 - Take note of emission threshold.
 - Use solvent-proof equipment.
 - Keep away from children
 - Avoid release to the environment.
 - Keep eye wash bottles available on working place.
- **Information about protection against explosions and fires:**
 - Keep ignition sources away - Do not smoke.
 - Protect from heat.
 - Protect against electrostatic charges.
 - Highly volatile, flammable constituents are released during processing.
 - Fumes can combine with air to form an explosive mixture.
 - Flammable mixtures may be formed in empty containers.
- **Storage**
- **Requirements to be met by storerooms and containers:**
 - Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**

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Store in cool, dry conditions in well sealed containers.

- **8 Exposure controls and personal protection**

- **Additional information about design of technical systems:**

Please take care on national and local requirements.

- **Components with critical values that require monitoring at the workplace:**

108-88-3 toluene

OES (Great Britain): Short-term value: 574 mg/m³, 150 ppm

Long-term value: 191 mg/m³, 50 ppm
Sk

67-64-1 acetone

OES (Great Britain): Short-term value: 3620 mg/m³, 1500 ppm

Long-term value: 1210 mg/m³, 500

ppm

IOELV

78-93-3 butanone

OES (Great Britain): Short-term value: 899 mg/m³, 300 ppm

Long-term value: 600 mg/m³, 200

ppm

IOELV, Sk,

- **Additional information:**

Based on information valid at the time of writing.

- **Personal protective equipment**

- **General protective and hygienic measures**

Keep away from food, drink and animal feedingstuffs.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the skin.

Avoid close or long term contact with the skin.

- **Breathing equipment:**

In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- **Recommended filter device for short term use:** Filter AX

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- **Protection of hands:**
Solvent resistant gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves** Natural rubber, NR
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.

• 9 Physical and chemical properties:

• **General Information**

- **Form:** Fluid
- **Colour:** According to product specification
- **Smell:** Characteristic

	<u>Value/Range</u>	<u>Unit</u>
• Change in condition		
• Melting point/Melting range:	Not determined	
• Boiling point/Boiling range:	56	° C
• Flash point:	-9	° C
• Ignition temperature:	215.0	° C
• Self-inflammability:	Product is not selfigniting.	
• Danger of explosion:	Product is not explosive. However, formation of explosive vapour/air mixtures is possible.	
• Critical values for explosion:		
• Lower:	1.1	Vol
• Upper:	7.0	Vol
• Vapour pressure:	at 20 ° C	48.0 hPa
• Density	at 20 ° C	0.820
• Solubility in / Miscibility with		
• Water:	Not miscible or	

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difficult to mix

- **Viscosity:**
- **dynamic:** at 20 ° C 4000 mPas
- **Solvent content:**
- **Organic solvents:** 78.9 %
- **Solids content:** 22.1 %

• 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** Develops readily flammable vapours / fumes
- **Dangerous products of decomposition:**
No dangerous decomposition products known

• 11 Toxicological information

- **Acute toxicity:**
LD/LC50 values that are relevant for classification:
108-88-3 toluene
Oral: LD50: 5000 mg/kg (rat)
Dermal: LD50: 12124 mg/kg (rab)
Inhalative: LC50/4 h: 5320 mg/l (mus)
- **Primary irritant effect:**
- **on the skin:** Irritant for skin and mucous membranes.
- **on the eye:** No irritant effect.
- **Sensitization:** Sensitization possible by skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant

• 12 Ecological information:

- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **General notes:**
Water danger class 3 (Self-assessment): extremely

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hazardous for water.
Danger to drinking water if even extremely small quantities leak into soil.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

- **13 Disposal considerations**

- **Product:**
- **Recommendation** Hand over to disposers of hazardous waste.
- **European waste catalogue**
08 04 09: waste adhesives and sealants containing organic solvents or other dangerous substances
- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.

- **14 Transport information**

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Kemler Number:** 30
- **UN-Number:** 1133
- **Packaging group:** III
- **Label** 3
- **Designation of goods:** 1133 ADHESIVES, special provision 640H
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 3
- **UN Number:** 1133
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Correct technical name:** ADHESIVES
- **Remarks:** Suitable UN approved container necessary.
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1133
- **Label** 3
- **Packaging group:** III
- **Correct technical name:** ADHESIVES

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- **Remarks:** Suitable UN approved container necessary.

- **15 Regulatory information**

- **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Chemicals (Hazard, Informaion and Packaging for Supply) (CHIP) Regulations.

- **Code letter and hazard designation of product:**

Xn Harmful F Highly flammable N Dangerous for the environment

- **Hazard-determining components of labelling:** toluene

- **Risk phrases:**

11 Highly flammable.
20 Harmful by inhalation.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

16 Keep away from sources of ignition – No smoking.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
24/25 Avoid contact with skin and eyes.
29 Do not empty into drains.
33 Take precautionary measures against static discharges.
57 Use appropriate container to avoid environmental contamination.

- **Special designation of certain preparations:**

Contains Rosin. May produce an allergic reaction.

- **National regulations**

- **Technical instructions (air):**

This classification is only relevant for Germany and Austria.

Class Share in %

II 32.2
III 33.8

- **Water hazard class:**

Water danger class 3 (Self-assessment): extremely

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hazardous for water.

- **Other regulations, limitations and prohibitive regulations**
- **VOC (EU) in %:** 77.89 %
- **VOC (EU) in g/l:** 638.8 g/l

- **16 Other information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information provided about the product on this Safety Sheet has been compiled from knowledge of the individual constituent.

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

- **Full text of risk phrases referred to in section 2.**
 - 11 Highly flammable.
 - 20 Harmful by inhalation.
 - 36 Irritating to eyes.
 - 38 Irritating to skin.
 - 43 May cause sensitisation by skin contact.
 - 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - 65 Harmful: may cause lung damage if swallowed.
 - 66 Repeated exposure may cause skin dryness or cracking.
 - 67 Vapours may cause drowsiness and dizziness.
- **Department issuing data specification sheet:** Quality Control
- **Contact:**
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