

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

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

1.1 Product identifier

Trade name: **TIGHTER BOND PRIMER**

Article number: 34586

1.2 Relevant identified uses of the substance or mixture and uses advised against
FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

Application of the substance / the mixture Priming

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

KENT (United Kingdom) Ltd

Forsyth House

Pitreavie Drive

Pitreavie Business Park

Dunfermline

Fife

KY11 8US

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

Fax: +44 1383 620079

SDS@kenteurope.com

1.4 Emergency telephone number:

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

Trade name: TIGHTER BOND PRIMER

(Contd. of page 1)

Hazard pictograms

GHS02

GHS07

GHS08

GHS09

Signal word Danger**Hazard-determining components of labelling:**Hydrocarbons, C7, n-alkanes isoalkanes, cyclic
Propan-2-ol**Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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.

P261 Avoid breathing vapours.

P280 Wear protective gloves / eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P403+P235 Store in a well-ventilated place. Keep cool.

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 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture of the substances listed below with harmless additions.**Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	Propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33	Hydrocarbons, C7, n-alkanes isoalkanes, cyclic ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51	Toluene ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	0-10%

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****After inhalation** In case of unconsciousness bring patient into stable side position for transport.**After skin contact**

Instantly wash with water and soap and rinse thoroughly.

Generally the product is not skin irritating.

After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.**After swallowing** Rinse out mouth and then drink plenty of water.**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

Trade name: TIGHTER BOND PRIMER

(Contd. of page 2)

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, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained breathing apparatus.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
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.
- **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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
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 containers:** Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.
- **Storage class 3**
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**· **Components with limit values that require monitoring at the workplace:**

67-63-0 Propan-2-ol

WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
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(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

Trade name: TIGHTER BOND PRIMER

(Contd. of page 3)

108-88-3 Toluene

WEL Short-term value: 384 mg/m³, 100 ppm
Long-term value: 191 mg/m³, 50 ppm
Sk

· **Regulatory information** WEL: EH40/2020· **DNELs****67-63-0 Propan-2-ol**

Oral	Long term systemic effect	26 mg/kg/day (Consumer)
Dermal	Long term systemic effect	319 mg/kg/day (Consumer)
		888 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	89 mg/m ³ (Consumer)
		500 mg/m ³ (Worker)

Hydrocarbons, C7, n-alkanes isoalkanes, cyclic

Oral	Long term systemic effect	149 mg/kg bw/day (Consumer)
Dermal	Long term systemic effect	149 mg/kg/day (Consumer)
		300 mg/kg/day (Worker)
Inhalative	Long term systemic effect	447 mg/m ³ (Consumer)
		2,085 mg/m ³ (Worker)

108-88-3 Toluene

Dermal	Long term systemic effect	384 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	192 mg/m ³ (Worker)
	Acute local effect	384 mg/m ³ (Worker)
	Long term local effect	192 mg/m ³ (Worker)
	Acute systemic effect	384 mg/m ³ (Worker)

· **PNECs****67-63-0 Propan-2-ol**

PNEC 140.9 mg/l (Aqua (freshwater))
140.9 mg/l (Aqua (intermittent))
140.9 mg/l (Aqua (marine water))
552 mg/kg (Freshwater sediment)
552 mg/kg (Marine water sediment)
2,251 mg/l (Sewage treatment plant) (Assessment factor 1)
28 mg/kg (Soil)

108-88-3 Toluene

PNEC 0.68 mg/l (Freshwater sediment)
0.68 mg/l (Marine water sediment)
13.61 mg/l (Sewage treatment plant)
2.89 mg/kg (Soil)

· **Additional information:** The lists that were valid during the compilation were used as basis.· **8.2 Exposure controls**· **Appropriate engineering controls** No further data; see item 7.· **Individual protection measures, such as personal protective equipment**· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Breathing protection recommended.

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

Short term filter device:

Filter A (EN 14387)

(Contd. on page 5)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

Trade name: TIGHTER BOND PRIMER

(Contd. of page 4)

Hand protection

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Wear suitable gloves tested to EN 374

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

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.

Penetration time of glove material

Value for the permeation: Level 6 > 480 minutes

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Tightly sealed safety glasses. (EN 166)

Body protection: Protective work clothing (EN-13034/6)**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Physical state**

Fluid

Colour:

Colourless

Odour:

Alcohol-like

Odour threshold:

Not determined.

Melting point/freezing point:

Not determined

Boiling point or initial boiling point and boiling range

82 °C

Flammability

Highly flammable.

Lower and upper explosion limit**Lower:**

2.0 Vol %

Upper:

12.0 Vol %

Flash point:

-5 °C (DIN 53213)

Ignition temperature:

246 °C

Decomposition temperature:

Not determined.

pH

Mixture is non-polar/aprotic.

Viscosity:**Kinematic viscosity at 20 °C**

< 150 s 4 mm (DIN 53211)

dynamic:

Not determined.

Solubility**Water:**

Not miscible / difficult to mix

Partition coefficient n-octanol/water (log value)

Not determined.

Vapour pressure at 20 °C:

23.69 mbar

Density and/or relative density**Density at 20 °C**0.75 g/cm³**Relative density**

Not determined.

Vapour density

Not determined.

9.2 Other information**Appearance:****Form:**

Fluid

(Contd. on page 6)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

Trade name: TIGHTER BOND PRIMER

(Contd. of page 5)

· Important information on protection of health and environment, and on safety.

· Self-inflammability:

Product is not selfigniting.

· Explosive properties:

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· Solvent content:

· Organic solvents:

737 g/l VOC

· Change in condition

· Evaporation rate

Not determined.

· Information with regard to physical hazard classes

· Explosives

Void

· Flammable gases

Void

· Aerosols

Void

· Oxidising gases

Void

· Gases under pressure

Void

· Flammable liquids

Highly flammable liquid and vapour.

· Flammable solids

Void

· Self-reactive substances and mixtures

Void

· Pyrophoric liquids

Void

· Pyrophoric solids

Void

· Self-heating substances and mixtures

Void

· Substances and mixtures, which emit flammable gases in contact with water

Void

· Oxidising liquids

Void

· Oxidising solids

Void

· Organic peroxides

Void

· Corrosive to metals

Void

· Desensitised explosives

Void

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 according to specifications.

· 10.3 Possibility of hazardous reactions No dangerous reactions known

· 10.4 Conditions to avoid Heat. Hot surfaces. Sources of ignition. Flames.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

67-63-0 Propan-2-ol

Oral LD50 5,840 mg/kg (Rat)

Dermal LD50 13,400 mg/kg (Rabbit)

Hydrocarbons, C7, n-alkanes isoalkanes, cyclic

Inhalative LC50 (4 hr) >23 mg/l (Rat)

IC50 <10 (Algae)

108-88-3 Toluene

Oral LD50 5,000 mg/kg (Rat)

Dermal LD50 12,124 mg/kg (Rabbit)

Inhalative LC50 (4 hr) 49 mg/l (Mouse)

· Skin corrosion/irritation Causes skin irritation.

(Contd. on page 7)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

Trade name: TIGHTER BOND PRIMER

(Contd. of page 6)

- **Serious eye damage/irritation** Causes serious eye irritation.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

67-63-0 Propan-2-ol

EC50 (48 hr)	13,299 mg/l (Daphnia magna)
LC50 (24 hr)	9,714 mg/l (Daphnia magna)
LC50 (96 hr)	4,200 mg/l (FSH) (dynamic)
	9,640 mg/l (Pimephales promelas)
LOEC (8 days)	1,000 mg/l (Algae)

Hydrocarbons, C7, n-alkanes isoalkanes, cyclic

EC50 (48 hr)	3 mg/l (Daphnia magna)
LC50 (96 hr)	<10 mg/l (Fish)
	>13.4 mg/l (Oncorhynchus mykiss)
NOEC	1.53 mg/l (Oncorhynchus mykiss) (28 days)
NOEC (21 days)	1 mg/l (Daphnia magna)

108-88-3 Toluene

EC50 (24 hr)	84 mg/l (Activated sludge)
EC50 (48 hr)	3.78 mg/l (Daphnia magna)
EC50 (72 hr)	10 mg/l (Algae)
LC50 (96 hr)	5.5 mg/l (Fish)
NOEC (7 days)	0.74 mg/l (Daphnia magna)

- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Toxic for fish
- **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 bodies or sewage system.
- Danger to drinking water if even small quantities leak into soil.
- Also poisonous for fish and plankton in water bodies.
- Toxic for aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

GB
(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

Trade name: TIGHTER BOND PRIMER

(Contd. of page 7)

SECTION 14: Transport information· **14.1 UN number or ID number**· **ADR, IMDG, IATA** UN1263· **14.2 UN proper shipping name**

· **ADR** 1263 PAINT RELATED MATERIAL, special provision 640D,
ENVIRONMENTALLY HAZARDOUS

· **IMDG** PAINT RELATED MATERIAL, MARINE POLLUTANT

· **IATA** PAINT RELATED MATERIAL

· **14.3 Transport hazard class(es)**· **ADR**

· **Class** 3 (F1) Flammable liquids.

· **Label** 3

· **IMDG**

· **Class** 3 Flammable liquids.

· **Label** 3

· **IATA**

· **Class** 3 Flammable liquids.

· **Label** 3

· **14.4 Packing group**· **ADR, IMDG, IATA** II· **14.5 Environmental hazards:**

· **Marine pollutant:** Product contains environmentally hazardous substances: Hydrocarbons, C7, n-alkanes isoalkanes, cyclic

· **Special marking (ADR):** Symbol (fish and tree)

· **14.6 Special precautions for user**

· **Warning:** Flammable liquids.

· **Kemler Number:** 33

· **EMS Number:** F-E, S-E

· **Stowage Category** B

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**· **ADR**

· **Limited quantities (LQ)**

· **Excepted quantities (EQ)**

5L

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **Transport category**

2

· **Tunnel restriction code**

D/E

(Contd. on page 9)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 56 (replaces version 55)

Revision: 17.01.2023

Trade name: TIGHTER BOND PRIMER

(Contd. of page 8)

· IMDG	5L
· Limited quantities (LQ)	Code: E2
· Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT RELATED MATERIAL, SPECIAL PROVISION 640D, 3, II, 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** None of the ingredients is listed.
- **Seveso category**
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
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
NK	55.0

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
- **Department issuing data specification sheet:** Environment protection department
- **Abbreviations and acronyms:**
RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road
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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- **Data compared to the previous version altered.** *