



# **HypaBond 250ml / 1L Part A Material Safety Datasheet**Product Code: RC13101

# Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

Product name HypaBond 250ml / 1L Part A

Product number RC13101

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

**Identified uses** Industrial use only. Adhesive applications.

**Uses advised against** Consumer use.

#### 1.3 Details of the supplier of the safety datasheet

Company name and address The Rubber Company Limited

Unit 21 Romsey Industrial Estate

Greatbridge Road, Romsey, Hampshire,

SO51 OHR, United Kingdom

Telephone number +44 (0) 1794 513184

Email address sales@therubbercompany.com

#### 1.4 Emergency telephone number

National response centre National Poisons Information Service (Birmingham Centre)

City Hospital,

Dudley Road, Birmingham,

United Kingdom

**Emergency telephone number** +00 448 706 006 266 or NHS - 111









#### Section 2: Hazardous identification

#### 2.1 Classification of the substance or mixture

Regulation (EC) no. 1272/2008 (CLP) Aquatic Chronic 1: Very toxic to aquatic life with long lasting

effects.

Eye Irritat. 2: Causes serious eye irritation.

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

Repr. 2: Suspected of damaging fertility or the unborn child.

Skin Irritation 2: Causes skin irritation.

STOT RE 2: May cause damage to organs through prolonged or

repeated exposure.

STOT SE 3: May cause drowsiness or dizziness.

#### 2.2 Label elements

According to Regulation (EC) no. 1272/2008 (CLP)
Product name
Anglo 4418

Hazard pictograms



GHS02



GHS07



GHS08



GHS09

Signal word Hazard statements

#### Danger

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H361: Suspected of damaging fertility or the unborn child. H373: May cause damage to organs through prolonged or

repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.







#### Manufacturers · Designers · Distributors

#### Precautionary statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P308+P313: If exposed or concerned: Get medical advice/attention.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P370+P378: In case of fire use to extinguish.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of contents in accordance with local, state or national legislation.

#### 2.3 Other hazards

Not known.

#### 2.4 Additional information

For full text of H/P statements see section 16.









# Section 3: Composition/Information on Ingredients

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

Hazardous Ingredients	CAS No.	EC No. / REACH Registration No.	% w/w	Hazard Statements	Hazard Pictograms
Naphtha (petroleum), hydrotreated light Low boiling point hydrogen treated naphtha [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).]	64742-49-0	265-151-9	15-40	Asp. Tox. 1 H304 Muta. 1B H340 Carc. 1B H350	GHS08
Butanone ethyl methyl ketone	78-93-3	201-159-0	20-45	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
Toluene	108-88-3	203-625-9	10-30	Flam. Liq. 2 H225 Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Repr. 2 H361d STOT RE 2 H373	GHS02 GHS08 GHS07
Acetone propan	67-64-1	200-662-2	1-15	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
				Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS09









#### Section 4: First Aid Measures

#### 4.1 Description of first aid measures

**Inhalation** Remove person to fresh air and keep comfortable for breathing.

Call a poison centre/doctor if you feel unwell.

**Skin contact** Take off contaminated clothing and wash it before reuse. If

skin irritation occurs get medical advice/attention. Specific treatment (see Medical Advice on the label). Take off immediately all contaminated clothing. Rinse skin with water if exposed or

concerned.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing if exposed or concerned: Get medical advice/attention. If eye irritation persists.

**Ingestion** If exposed or concerned: Get medical advice/attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

Causes burns.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on the label). Call a poison centre/doctor if you feel unwell. Treat symptomatically.

### **Section 5: Firefighting Measures**

#### 5.1 Extinguishing media

Suitable extinguishing media Use to extinguish.
Unsuitable extinguishing media Water jet spay.

#### 5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. May decompose in a fire, giving off toxic and irritant vapours.









#### 5.3 Indication of any immediate medical attention and special treatment needed

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

#### Section 6: Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

#### 6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

#### 6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable absorbent material. Contain spillages with sand, earth or any suitable absorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

#### 6.4 Reference to other sections

See also sections 8 and 13.









# Section 7: Handling and Storage

#### 7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wash hands and exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Use outdoors ONLY or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature Ambient.

Storage life Stable under normal conditions.

**Incompatible materials** None known.

### 7.3 Specific end uses

Industrial use only. Adhesive applications.









## **Section 8: Exposure Controls/Personal Protection**

#### 8.1 Control parameters

#### 8.1.1 Occupational exposure limits

Occupational Exposure Limits							
Substance	CAS No.	LTEL (8 Hrs TWA ppm)	LTEL (8 Hrs TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note	
Butan-2-one (methyl ethyl ketone)	78-93-3	200	600	300	899	Sk, BMGV	
Toluene	108-88-3	50	191	100	384	Sk	
Acetone	67-64-1	500	1210	1500	3620	-	

Europe: EU occupational exposure limits. UK: Workplace exposure limits (WEL).

Note

Sk - Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

BMGV - Biological monitoring guidance values are listed in Table 2.

Biological Exposure Limits							
Substance	CAS No.	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments	
Butan-2-one (methyl ethyl ketone)	78-93-3	Post shift	Urine	Butan-2-one	70 μmol/L	-	









#### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

#### 8.2.2 Personal protection equipment



Wear eye protection with side protection (EN 166).



Wear protective clothing and gloves: impervious gloves (EN 374).



A suitable mask with filter type A (EN 14387 or EN 405) may be appropriate.



None known.

#### 8.2.3 Environment exposure

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.









### Section 9: Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties

**Appearance** Liquid. Colour Brownish. Odour Characteristic. Odour threshold Not known. pΗ Not known. Melting point/freezing point Not known. **Initial boiling point and boiling range** Not known. -18°C Flash point **Evaporation rate** Not known. Flammability (solid, gas) Not known. Upper/lower flammability or Not known.

explosive limits

Vapour pressureNot known.Vapour densityNot known.Density (g/ml)Not known.Relative density0.9 @ 20°C

**Solubility (ies)** Water: Slightly miscible in water.

Other: Not known.

Pattern coefficient: n-octanol/ water Not known.
Auto-ignition temperature Not known.
Decomposition temperature (°C) Not known.
Viscosity Not known.
Explosive properties Not known.
Oxidising properties Not known.

#### 9.2 Other information

None.









# Section 10: Stability and Reactivity

#### 10.1 Reactivity

None anticipated.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

#### 10.4 Conditions to avoid

Avoid friction, sparks, or other means of ignition.

#### 10.5 Incompatible materials

Not known.

#### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

# **Section 11: Toxicology Information**

#### 11.1 Information on toxicological effects

Acute toxicology - ingestionLow acute toxicity.Acute toxicology - skin contactLow acute toxicity.Acute toxicology - inhalationLow acute toxicity.

**Skin corrosion/irritation** Self classification: Causes skin irritation.

**Serious eye damage/irritation** Self classification: Causes serious eye irritation.







#### Manufacturers · Designers · Distributors

**Skin sensitisation data Respiratory sensitisation data**Not classified.
Not classified.

**Germ cell mutagenicity** There is no evidence of mutagenic potential.

**Carcinogenicity** No evidence of carcinogenicity.

**Reproductive toxicity** Self classification: suspected of damaging fertility or the unborn

child.

**Lactation** Not classified.

**STOT - single exposure**Self classification: May cause drowsiness or dizziness. **STOT - repeated exposure**Self classification: May cause damage to organs through

prolonged or repeated exposure.

**Aspiration hazard** Not classified.

#### 11.2 Other information

Not known.

### **Section 12: Ecological Information**

#### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Toxicity - aquatic invertebrates

Toxicity - fish

Toxicity - algae

Toxicity - sediment compartment

Toxicity - terrestrial compartment

Not known.

Not known.

Not known.

#### 12.2 Persistence and degradation

Not known.

#### 12.3 Bioaccumulative potential

Not known.









12.4	Mot	oility	in s	soil
------	-----	--------	------	------

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

### **Section 13: Disposal Considerations**

#### 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. **Do NOT landfill.** Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point.

#### 13.2 Additional information

Disposal should be in accordance with local, state or national legislation.

# Section 14: Transport Information

14.1 UN number

UN number UN1133

14.2 UN proper shipping name

**UN proper shipping name** Adhesives containing flammable liquid.







#### Manufacturers · Designers · Distributors

#### 14.3 Transport hazard classes

ADR/RID

ADR/RID class 3
ADR classification code F1
Special provisions 640E
Limited quantities 5L
Excepted quantities E1
Emergency action code •3Y

Mixed packing instructions for P001 IBC03 LP01 R001

packages

Special packing provisions for PP1

packages

Mixed packing Instructions for MP19

packages

Packing instructions for portable T2

anks

Special provisions for portable tanks TP1
Tank code for tanks LGBF

**Special provisions for tanks** Not applicable.

Vehicle for tank carriage FL
ADR transport category 3
Tunnel restriction code D/E
Special provisions for carriage - V12

packages

**Special provisions for carriage - bulk** Not applicable. **Special provisions for carriage -** Not applicable.

loading, unloading and handling

Special provisions for carriage - 52

operation

ADR HIN 30

**IMDG** 

IMDG class3Special provisions640ELimited quantities5L







#### Manufacturers · Designers · Distributors

Excepted quantities E1

Mixed packing instructions for P001 IBC03 LP01 R001

packages

Special packing provisions for PP1

packages

Packing instructions for portable T2

tanks

Special provisions for portable tanks TP1 IMDG EMS F-E, S-D

Stowage and handling A

Segregation Not determined.

#### ICAO/IATA

Excepted quantities E1

Passenger and cargo aircraft limited Y344

quantities packing instructions

Passenger and cargo aircraft limited 10L

quantities max net quantity

Passenger and cargo aircraft packing 355

instructions

Passenger and cargo aircraft max 60L

net quantity

Cargo aircraft packing instructions 366
Cargo aircraft max net quantity 220L
Special provisions A3
Emergency response guidebook 3L

(ERG) code

Labels

Labels 3





14.4 Packing group

Packing group III









#### 14.5 Environmental hazards

**Environmental hazards** Classified as a marine pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

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

No information available.

### **Section 15: Regulatory Information**

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

European Regulations - Authorisations and/or Restrictions On Use

**Candidate list of substances of very** Not listed.

high concern for authorisation

**REACH: ANNEX XIV list of substances** Not listed.

subject to authorisation

REACH: Annex XVII restrictions on the manufacture, placing on the substances, mixtures and articles

Toluene (108-88-3), acetone propan-2-one propanone (67-64-1), butanone ethyl methyl ketone (78-93-3), Naphtha market and use of certain dangerous (petroleum), hydrotreated light low boiling point hydrogen treated naphtha [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).] (64742-49-0).

Community Rolling Action Plan (CoRAP)

Toluene (108-88-3), zinc oxide (1314-13-2).







### Manufacturers · Designers · Distributors

Regulation (EC) N° 850/2004 of the European parliament and of the council on persistent organic pollutants

Not listed.

Regulation (EC) N° 2037/2000 on substances that deplete the ozone

Not listed.

layer

Regulation (EU) N° 649/2012 of the European parliament and of the council concerning the export and import of hazardous chemicals Not listed.

National regulations

Other Not known.

#### 15.2 Chemical safety assessment

A REACH chemical safety assessment has not been carried out

#### Section 16: Other Information

The following sections contain revisions or new statements:

#### LEGEND Hazard pictograms



GHS02



GHS07





GHS08









### Manufacturers · Designers · Distributors

**Hazard classification** Aquatic Acute 1: Hazardous to the aquatic environment, Acute,

Category 1.

Aquatic Chronic 1: Hazardous to the aquatic environment,

Chronic, Category 1.

Asp. Tox. 1: Aspiration hazard, Category 1.

Carc. 1B: Carcinogenicity, Category 1B.

Eye Irrit. 2: Serious eye damage/irritation, Category 2.

Flam. Liq. 2 : Flammable liquid, Category 2.

Muta. 1B: Germ cell mutagenicity, Category 1B.

Repr. 2: Reproductive toxicity, Category 2

STOT RE 2: Specific target organ toxicity - repeated exposure,

Category 2.

STOT SE 3\_H336: Specific target organ toxicity - single exposure,

Category 3.

Skin Irrit. 2: Skin corrosion/irritation, Category 2.

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.

H340: May cause genetic defects.

H350: May cause cancer.

H361: Suspected of damaging fertility or the unborn child.

H361d: Suspected of damaging the unborn child.

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.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read

and understood.

P210: Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof [electrical/ventilating/lighting/...]

equipment.





The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.

Hazard statements

**Precautionary Statements** 



#### Manufacturers · Designers · Distributors

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.

P271: Use outdoors **ONLY** or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352: IF ON SKIN wash with plenty of soap and water.

P303+P361+P353: IF ON SKIN (or hair) take off immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

P308+P313: If exposed or concerned get medical advice/attention.

P312: Call a poison centre/doctor if you feel unwell.

P314: Get medical advice/attention if you feel unwell.

P321: Specific treatment (see Medical Advice on the label).

P332+P313: If skin irritation occurs: Get medical advice/attention

P337+P313: If eye irritation persists: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P370+P378: In case of fire: Use to extinguish.

P391: Collect spillage.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

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

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.







#### Manufacturers · Designers · Distributors

#### Acronyms

ADN: European Agreement concerning the International Carriage

of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage

of Dangerous Good by Road.

CAS: Chemical Abstracts Service.

CLP: Regulation (EC) No 1272/2008 on classification, labelling

and packaging of substances and mixtures.

DNEL: Derived No Effect Level.

EC: European Community.

EINECS: European Inventory of Existing Commercial Chemical

Substances.

IATA: International Air Transport Association.

IBC: Intermediate Bulk Container.

ICAO: International Civil Aviation Organisation.

IMDG: International Maritime Dangerous Goods.

LTEL: Long term exposure limit.

PBT: Persistent, Bioaccumulative and Toxic.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of

Chemicals.

RID: Regulations concerning the International Carriage of

Dangerous Goods by Rail.

STEL: Short term exposure limit.

STOT: Specific Target Organ Toxicity.

UN: United Nations.

vPvB: very Persistent and very Bioaccumulative.

#### **Disclaimers**

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. The Rubber Company Limited gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. The Rubber Company Limited accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.



