

## SAFETY DATA SHEET

### Premierbond HSEA Canister

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Product name Premierbond HSEA Canister

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

Identified uses Contact Adhesive

##### 1.3. Details of the supplier of the safety data sheet

Supplier Creffields (Timber & Boards) Ltd  
Unit 6, Marcus Close  
Tilehurst  
Reading  
Berkshire  
RG30 4EA  
Tel: 01189 453533  
Fax: 01189 453633

##### 1.4. Emergency telephone number

National Emergency Telephone Number  
UK +44 (0)1623 722 661 (Monday - Friday 09:00 - 17:00)

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36. F+;R12. N;R51/53. R66, R67.

##### Human health

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Vapours may cause drowsiness and dizziness. Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

##### Environment

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

##### Physical and Chemical Hazards

Pressurised container: Must not be exposed to temperatures above 50C. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

##### 2.2. Label elements

Contains CYCLOHEXANE

##### Labelling



Irritant



Extremely flammable



Dangerous for the environment

##### Risk Phrases

R12	Extremely flammable.
R36	Irritating to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

##### Safety Phrases

A1	Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use.
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A2	Do not spray on a naked flame or any incandescent material.
S2	Keep out of the reach of children.
S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

ACETONE	10-30%
CAS-No.: 67-64-1	EC No.: 200-662-2
Registration Number: 01-2119471330-49	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67
PROPANE	10-30%
CAS-No.: 74-98-6	EC No.: 200-827-9
Registration Number: 01-2119486944-21	
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12
BUTANE/ISOBUTANE	10-30%
CAS-No.: 106-97-8	EC No.: 203-448-7
Registration Number: 01-2119474691-32	
Classification (EC 1272/2008) Flam. Aerosol 1 - H222	Classification (67/548/EEC) F+;R12.
CYCLOHEXANE	10-30%
CAS-No.: 110-82-7	EC No.: 203-806-2



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Eye contact

Irritating to eyes. There may be irritation and redness. Eyes may water profusely.

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

Show this safety data sheet to the doctor in attendance.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

Extremely flammable. May form explosive or toxic mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition.

Specific hazards

Containers can burst violently when heated, due to excess pressure build-up. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

### **5.3. Advice for firefighters**

Special Fire Fighting Procedures

Wear protective clothing to prevent contact with skin and eyes. Wear self contained breathing apparatus.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet. Risk of contact: Wear protective gloves and goggles/face shield. Do not breathe vapour. Avoid contact with eyes and prolonged skin contact.

### **6.2. Environmental precautions**

Do not discharge onto the ground or into water courses.

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

PERSONAL PROTECTION. Ventilate well. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. Do not use equipment in clean up procedure which may produce sparks. Absorb in vermiculite, dry sand or earth and place into containers. Remove sources of ignition.

### **6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Wear appropriate personal protective equipment (see Section 8) Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Protect against direct sunlight. Provide good ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours.

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

Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place.

Storage Class

Flammable compressed gas storage.

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m <sup>3</sup>	1500 ppm	3620 mg/m <sup>3</sup>	
BUTANE/ISOBUTANE	WEL	600 ppm		750 ppm		
CYCLOHEXANE	WEL	100 ppm	350 mg/m <sup>3</sup>	300 ppm	1050 mg/m <sup>3</sup>	
HEPTANE	WEL	500 ppm				
PROPANE	WEL	1000 ppm	1800 mg/m <sup>3</sup>			

WEL = Workplace Exposure Limit.

#### HEPTANE (CAS: 142-82-5)

##### DNEL

Consumer	Oral	Long Term	Systemic Effects	148 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	149 mg/kg/day
Industry	Dermal	Long Term	Systemic Effects	300 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	447 mg/m <sup>3</sup>
Industry	Inhalation.	Long Term	Systemic Effects	2085 mg/m <sup>3</sup>

#### 8.2. Exposure controls

##### Protective equipment



##### Process conditions

Ensure suitable ventilation of area. Ensure lighting and electrical equipment are not a source of ignition.

##### Engineering measures

Well-ventilated area. Ensure that lighting and electrical equipment are not sources of ignition.

##### Respiratory equipment

If exposure limits are likely to be exceeded, use a full face mask fitted with an organic filter for short term exposures. For long term or high level exposures, or when spraying, compressed airline breathing apparatus should be used. If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures.

##### Hand protection

Use suitable protective gloves if risk of skin contact. Use protective gloves made of: 4H Chemical Gloves Viton rubber (fluor rubber). For low exposure use nitrile gloves The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

##### Eye protection

Wear approved safety goggles.

##### Other Protection

Provide eyewash station.

##### Hygiene measures

Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

##### Personal protection

Wear protective work clothing.

##### Skin protection

Wear apron or protective clothing in case of splashes.

##### Thermal hazards

Not applicable

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Pressurised container containing a mixture of active ingredients, solvents and propellants.
Colour	Amber.
Odour	Acetone, ketone.
Solubility	Insoluble in water
Initial boiling point and boiling range (°C)	56C 760 mm Hg
Relative density	0.83 Density of adhesive liquid.
Viscosity	~300 mPas 20
Flash point (°C)	<-40
Auto Ignition Temperature (°C)	410-580
Flammability Limit - Lower(%)	1.8
Flammability Limit - Upper(%)	9.5
Comments	A flash point method is not available for aerosols but the major hazardous component, the Propellant has flash point of <-40 C with flammability limits of 9.5% vol. upper and 1.8% vol. lower. Auto ignition temperature is 410/580 C.

## **9.2. Other information**

Not available.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

Stable under recommended transport or storage conditions.

### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

### **10.3. Possibility of hazardous reactions**

No known hazardous reactions if stored under normal conditions.

Hazardous Polymerisation

Will not polymerise.

### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

### **10.5. Incompatible materials**

Materials To Avoid

Strong acids. Strong oxidising substances.

### **10.6. Hazardous decomposition products**

In combustion emits toxic fumes

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 5 mg/l (vapours) Rat 4 hours

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## General information

Contains organic solvents

## Inhalation

High exposures may cause an abnormal heart rhythm and prove suddenly fatal. Very high atmospheric concentrations may cause anaesthetic effects and asphyxiation. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

## Ingestion

May cause soreness and redness of mouth and throat.

## Skin contact

Prolonged contact may cause redness, irritation and dry skin.

## Eye contact

Irritating to eyes. There maybe irritation and redness. Eyes may water profusely

## Health Warnings

Anaesthetic in high concentrations. Concentrating and inhaling the gas/spray can lead to abnormal heart rhythms and possibly death.

## Route of entry

Inhalation.

## Target Organs

Respiratory system, lungs Brain Central nervous system Heart & cardiovascular system

### Toxicological information on ingredients.

#### PROPANE (CAS: 74-98-6)

##### Acute toxicity:

Acute Toxicity (Inhalation LC50)

> 20 mg/l (vapours) Rat 4 hours

#### CYCLOHEXANE (CAS: 110-82-7)

Toxic Dose 1 - LD 50

12705 mg/kg (oral rat)

Toxic Dose 2 - LD 50

813 mg/kg (oral-mouse)

##### Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

#### ACETONE (CAS: 67-64-1)

Toxic Dose 1 - LD 50

3 mg/kg (oral-mouse)

Toxic Dose 2 - LD 50

5800 mg/kg (oral rat)

Toxic Conc. - LC 50

>20 mg/l/4h (inh-rat)

##### Acute toxicity:

Acute Toxicity (Dermal LD50)

2000 mg/kg Rabbit

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**12.1. Toxicity**

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

Ecological information on ingredients.

**CYCLOHEXANE (CAS: 110-82-7)**

LC 50, 96 Hrs, Fish mg/l

42.3

Acute Toxicity - Fish

LC50 96 hours 4.53 mg/l Pimephales promelas (Fat-head Minnow)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 0.9 mg/l Daphnia magna

IC 50, 72 Hrs, Algae, mg/l

3.4

**ACETONE (CAS: 67-64-1)**

LC 50, 96 Hrs, Fish mg/l

>100

EC 50, 48 Hrs, Daphnia, mg/l

8300

IC 50, 72 Hrs, Algae, mg/l

>100

Chronic Toxicity - Aquatic Invertebrates

NOEC 28 days >10<100 mg/l Freshwater invertebrates

**12.2. Persistence and degradability**

Biodegradable in part only.

Degradability

Biodegradable in part only.

Ecological information on ingredients.

**PROPANE (CAS: 74-98-6)**

Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

**ACETONE (CAS: 67-64-1)**

Degradability

The product is easily biodegradable.

**12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available on bioaccumulation.

**12.4. Mobility in soil**

Mobility:

Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

This substance is not identified as a PBT substance.



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## Ecological information on ingredients.

### PROPANE (CAS: 74-98-6)

Not Classified as PBT/vPvB by current EU criteria.

### ACETONE (CAS: 67-64-1)

This product does not contain any PBT or vPvB substances.

## **12.6. Other adverse effects**

Not available.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

## **13.1. Waste treatment methods**

Disposable canisters should be pierced and then disposed of according to local regulations. A pierced, empty canister can be disposed of as non-hazardous waste and can be recycled. For returnable canisters, ensure container is empty before shipping to the manufacturer. Do not pierce or incinerate even when container is empty.

### Waste Class

Full or Partially Empty Canister: 16 05 04 Empty Canister: 15 01 10 (Containing hazardous residue) Empty Canister: 15 01 04 (No hazardous residues)

## **SECTION 14: TRANSPORT INFORMATION**

## **14.1. UN number**

UN No. (ADR/RID/ADN)	3501
UN No. (IMDG)	3501
UN No. (ICAO)	3501

## **14.2. UN proper shipping name**

Proper Shipping Name CHEMICAL UNDER PRESSURES, FLAMMABLE, N.O.S.(PETROLEUM GASES, LIQUEFIED)

## **14.3. Transport hazard class(es)**

ADR/RID/ADN Class	2, 8F
ADR/RID/ADN Class	Class 2.1: Flammable gases.
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
Transport Labels	



## **14.4. Packing group**

Not applicable.

ADR/RID/ADN Packing group	#
IMDG Packing group	#
ICAO Packing group	#

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### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

### **14.6. Special precautions for user**

EMS F-D, S-U  
Tunnel Restriction Code (B/D)

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## **SECTION 15: REGULATORY INFORMATION**

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

Uk Regulatory References

Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

ECHA: Guidance on the Compilation of safety data sheets. (V1.1, December 2011)

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348 Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007). Control of Substances Hazardous to Health Regulations 2002 (as amended) The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

Issued By	Technical Service Manager
Revision Date	18-02-2014
Revision	1
SDS No.	11740
Date	18-02-2013

## Premierbond HSEA Canister

### Risk Phrases In Full

R12	Extremely flammable.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36	Irritating to eyes.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H222	Extremely flammable aerosol.
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in a process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.