



# Safety Data Sheet

## HP-250 Primer 0.5L / 1L / 3.78L

Revision Date: 08/02/2018

### Section 1: Identification of the Product and Company Identification

#### 1.1. Product Identifier

**Product Name:** RubberBond HP-250 Primer 0.5L / 1L / 3.78L  
**Product Code:** 302060 / 302065 / 302070

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

**Identified uses** Cleaning and Priming EPDM Single-Ply Roofing Membranes. Product for industrial use only  
**Uses advised against** No specific uses advised against are identified.

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

**Suppliers:** Flex-R Ltd.  
Sandswood House  
Hillbottom Road  
Sands Industrial Estate  
High Wycombe  
Buckinghamshire  
HP12 4HJ  
Tel: 01494 448792 Fax: 01494 858433 Email: [eng@rubberbond.co.uk](mailto:eng@rubberbond.co.uk)

#### 1.4. Emergency telephone number

**Emergency telephone** 01865 407333 – English speaking (24 hours, 7 days)

### SECTION 2: Hazards identification

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

##### Classification

**Physical hazards** Flam. Liq. 2 - H225  
**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Skin Sens. 1 - H317 STOT SE 3 - H336 Repr. 2 - H361d STOT RE 2 - H373  
**Environmental hazards** Aquatic Chronic 2 - H411  
**Human Health** No additional information available  
**Physicochemical** No additional information available

#### 2.2. Label elements

**Pictogram**

Exclusive British Isles Distributors for Carlisle-SynTec and RubberBond EPDM single ply roofing materials.

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**Signal word**

**Danger**

### Hazard statements

225 - Highly flammable liquid and vapour  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H361d - Suspected of damaging the unborn child  
H373 - May cause damage to organs (neuropsychological effects, auditory dysfunction, effects on colour vision) through prolonged or repeated exposure (if inhaled)  
H411 - Toxic to aquatic life with long lasting effects

### Precautionary statements

P201 - Obtain special instructions before use  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P405 - Store locked up  
P501 - Dispose of contents/container to an authorised waste collection point

### Contains

Heptane, Toluene, 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers, 1,3,3-trimethyl-N-(2-methylpropylidene)-5-[(2-methylpropylidene)amino]cyclohexanemethylamine

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

TOLUENE		60 – 100 %
CAS number: 108-88-3	EC number: 203-625-9 (EC index No.) 601-021-00-3	REACH registration number: 01-2119471310-51-0051
<b>Classification</b> Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412		

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<b>HEPTANE</b> <span style="float: right;">5 – 10 %</span>		
CAS number: 142-82-5	EC number: 205-563-8 (EC index No.) 601-008-00-2	REACH registration number:
<b>Classification</b> Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410		

<b>3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers</b> <span style="float: right;">&lt;1%</span>		
CAS number: 53880-05-0	EC number: 500-125-5	REACH registration number:
<b>Classification</b> Skin Sens. 1, H317		

<b>1,3,3-trimethyl-N-(2-methylpropylidene)-5-[(2-methylpropylidene)amino]cyclohexanemethylamine</b> <span style="float: right;">&lt;1%</span>		
CAS number: 54914-37-3	EC number: 259-393-4	REACH registration number:
<b>Classification</b> Skin Corr. 1A, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412		

<b>Magnesium oxide</b> <span style="float: right;">1-3%</span>		
CAS number: 1309-48-4	EC number: 215-171-9	REACH registration number:
<b>Classification</b> Not classified		

The Full Text for all Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

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### General information

<b>Inhalation</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Give 100 - 200 ml of water to drink. Do not give an unconscious person anything to drink. Obtain immediate medical attention.
<b>Skin contact</b>	Immediately remove contaminated clothing or footwear. Rinse skin with plenty of water or shower. If skin irritation or rash occurs: Get medical advice/attention.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

<b>Inhalation</b>	May cause drowsiness or dizziness.
<b>Ingestion</b>	Ingestion may cause irritation of the gastrointestinal tract.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Dry chemical. Foam. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet. Water may be ineffective.

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

<b>Fire hazard</b>	Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
<b>Explosion hazard</b>	Containers may rupture when heated.
<b>Hazardous decomposition products in case of fire</b>	Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

### 5.3. Advice for firefighters

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### Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from firefighting to enter drains or water courses.

### Special protective equipment for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Emergency procedures

Remove all sources of ignition. Evacuate unnecessary personnel. Ensure adequate ventilation.

#### 6.1.2. For emergency responders

##### Protective equipment

Wear suitable protective clothing and eye or face protection.

##### Emergency procedures

Remove all sources of ignition. Use only non-sparking tools. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

##### Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.

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

##### Methods for cleaning up

Absorb with earth, sand or other non-combustible material, allow to cure, and transfer to containers for later disposal. Wash spill area with soapy water. Washings must be prevented from entering surface water drains.

### 6.4. Reference to other sections

##### Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

##### Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately grounded. Use only explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing. Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing.

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### Hygiene measures

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

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

<b>Technical measures</b>	Keep away from open flames, hot surfaces and sources of ignition.
<b>Storage conditions</b>	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a dry place. Keep cool. Protect from freezing.
<b>Incompatible materials</b>	Strong acids. Strong alkalis. Strong oxidizing agents.

### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	Cleaning and Priming EPDM Single-Ply Roofing Membranes. Product for industrial use only.
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## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

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

Long-term exposure limit (8-hour TWA): WEL 500 ppm 2085 mg/m<sup>3</sup>

#### MAGNESIUM OXIDE (1309-48-4)

Long-term exposure limit (8-hour TWA): 10 mg/m<sup>3</sup> inhalable dust 4 mg/m<sup>3</sup> respirable dust  
Short-term exposure limit (15-minute): 30 mg/m<sup>3</sup> inhalable dust 12 mg/m<sup>3</sup> respirable dust

#### TOLUENE (108-88-3)

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m<sup>3</sup>(Sk)  
Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 384 mg/m<sup>3</sup>(Sk)

<b>Ingredient comments</b>	WEL = Workplace Exposure Limits
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### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>Personal protective equipment</b>	Avoid all unnecessary exposure.
<b>Eye/face protection</b>	Chemical goggles or face shield. Standard EN 166 - Personal eye-protection.
<b>Hand protection</b>	Wear chemically resistant protective gloves. Standard EN 374 - Protective gloves against chemicals. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

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<b>Other skin and body protection</b>	Long sleeved protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Environmental exposure controls</b>	Avoid release to the environment.
<b>Thermal hazard protection</b>	Wear heat-resistant gloves and clothing if the product is heated.
<b>Other information</b>	Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures. Contaminated work clothing should not be allowed out of the workplace.

### SECTION 9: Physical and Chemical Properties

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

<b>Physical state</b>	Liquid
<b>Colour</b>	Green/ Dark grey
<b>Odour</b>	Hydrocarbon
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Relative evaporation rate (butylacetate=1)</b>	2.5
<b>Melting point</b>	≥ -95 °C
<b>Freezing point</b>	Not available.
<b>Initial boiling point and range</b>	90 - 111 °C
<b>Flash point</b>	-7.2 °C
<b>Auto-ignition temperature</b>	230 °C
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapour pressure</b>	24.9 mm Hg
<b>Relative vapour density at 20 °C</b>	3.2 (air = 1)
<b>Relative density</b>	0.88 (Water = 1)
<b>Solubility</b>	Insoluble in water.
<b>Log Pow</b>	No data available
<b>Log Kow</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	< 200 mPa·s
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.

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**Explosive limits** 1 - 7 vol %

### 9.2. Other information

**VOC content** < 727 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Stable under normal conditions.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None known

### 10.4. Conditions to avoid

**Conditions to avoid** Heat. Sparks. Ignition sources.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidizing agents. Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity** Not classified  
Based on available data, the classification criteria are not met

### Toxicological information on ingredients.

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

**LD50 dermal rabbit** 3000 mg/kg

**LC50 inhalation rat (mg/l)** 103 mg/l/4h

**LC50, oral, mouse** 5000 mg/kg

#### TOLUENE (108-88-3)

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<b>LD50 oral rat</b>	5588 mg/kg (calculated value)
<b>LD50 dermal rabbit</b>	12267 mg/kg
<b>LC50 inhalation rat (mg/l)</b>	28.1 mg/l/4h

### **3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers (53880-05-0)**

<b>LD50 oral rat</b>	> 20000 mg/kg
<b>LD50 dermal rabbit</b>	> 2000 mg/kg
<b>LC50 inhalation rat (mg/l)</b>	5 mg/l/4h

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
Carcinogenicity	Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	Suspected of damaging the unborn child.
Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	May cause damage to organs (neuropsychological effects, auditory dysfunction, effects on colour vision) through prolonged or repeated exposure (if inhaled).
Aspiration hazard	Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	Causes skin irritation. Allergic skin rash. Causes serious eye irritation. Vapours may cause drowsiness and dizziness. Ingestion may cause irritation of the gastrointestinal tract.

## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

**Ecology - water** Toxic to aquatic life with long lasting effects.

### **Ecological information on ingredients.**

#### **HEPTANE (142-82-5)**

**EC50** 1.5 mg/l (48 Hours, static test, Daphnia magna)

#### **TOLUENE (108-88-3)**

**LC50** 15.22 - 19.05 mg/l (96 Hours, flow-through, Pimephales promelas)

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LC50	12.6 mg/l (96 Hours, static test, Pimephales promelas)
LC50	5.89 - 7.81 mg/l (96 Hours, flow-through, Oncorhynchus mykiss (Rainbow trout))
LC50	14.1 - 17.16 mg/l (96 Hours, static test, Oncorhynchus mykiss (Rainbow trout))
LC50	5.8 mg/l (96 Hours, semi-static, Oncorhynchus mykiss (Rainbow trout))
LC50	11 - 15 mg/l (96 Hours, static test, Lepomis macrochirus)
LC50	50.87 - 70.34 (96 Hours, static test, Poecilia reticulata)
LC50	28.2 mg/l (96 Hours, semi-static, Poecilia reticulata)
EC50	5.46 - 9.83 mg/l (48 Hours, static test, Daphnia magna)
EC50	12.5 mg/l (72 Hours, static test, Pseudokirchnerella subcapitata)

### **3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers (53880-05-0)**

LC50	9.22 mg/l (96 Hours, Oncorhynchus mykiss (Rainbow trout))
EC50	6.14 mg/l (48 Hours, Daphnia magna)

### **12.2. Persistence and degradability**

No additional information available

### **12.3. Bioaccumulative potential**

No additional information available

### **12.4. Mobility in soil**

#### **RubberBond HP-250 Primer**

**Ecology - soil** Insoluble in water.

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

#### **Sure-Seal HP-250 Primer**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### **12.6. Other adverse effects**

**Other adverse effects** Avoid release to the environment

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

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### Waste treatment methods

Dispose of this material and its container at hazardous or special waste collection point.

### Waste disposal recommendations

Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Additional information

Handle empty containers with care.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR)	1133
UN-No. (IATA)	1133
UN-No. (IMDG)	1133

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ADHESIVES
Proper Shipping Name (IATA)	ADHESIVES
Proper Shipping Name (IMDG)	ADHESIVES

Transport document description (ADR) UN 1133 ADHESIVES, 3, II

### 14.3. Transport hazard class(es)

Class (ADR/RID)	3
Class (IATA)	3
Class (IMDG)	3
Hazard labels (ADR/RID)	3



Hazard labels (IATA) 3



Danger labels (IMDG) 3



### 14.4. Packing group

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**Packing group (ADR/RID)** II  
**Packing group (IATA)** II  
**Packing group (IMDG)** II

### 14.5. Environmental hazards

**Dangerous for the environment**  
**Marine pollutant**



**Other information**

No supplementary information available.

### 14.6. Special precautions for user

**Special transport precautions** No special precautions required.

#### **14.6.1. Overland transport**

No additional information available

#### **14.6.2. Transport by sea**

No additional information available

#### **14.6.3. Air transport**

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## **SECTION 15: Regulatory information**

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

#### **15.1.1. EU-Regulations**

##### **Authorisations and/or restrictions on use (Annex XVII):**

- |                                 |  |
|---------------------------------|--|
| <b>RubberBond HP-250 Primer</b> | 3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F          |
| <b>RubberBond HP-250 Primer</b> | 3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| <b>RubberBond HP-250 Primer</b> | 3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1   |

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**Contains no substance on the REACH candidate list**

**VOC content** < 727 g/l

### 15.1.2. National regulations

**National regulations** No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Issued by</b>	Technical
<b>Revision date</b>	08/02/2018
<b>Data sources</b>	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
<b>Hazard statements in full</b>	Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1 Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3 Asp. Tox. 1 Aspiration hazard, Category 1 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 2 Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1A Skin corrosion/irritation, Category 1A Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Sensitisation — Skin, category 1 STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Narcosis H225 Highly flammable liquid and vapour H304 May be fatal if swallowed and enters airways H314 Causes severe skin burns and eye damage H315 Causes skin irritation H317 May cause an allergic skin reaction 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 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

NCEC SDS EU (REACH ANNEX II)

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# Safety Data Sheet

## HP-250 Primer 0.5L / 1L / 3.78L

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**Exclusive British Isles Distributors for Carlisle-SynTec and RubberBond EPDM single ply roofing materials.**

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