

# Langley EPDM Primer

Product Ref: (DsC33-0415)

Issue No: 01

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE

### 1.1 Product Identifier

Product Name: Langley EPDM Primer.

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

Use of substance / mixture: Adhesive.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Details of the supplier of the safety data sheet

Classification under CHIP: F: R11; Xi: R36/38; Xn: R48/20; N: R51/53; Xn: R63; -: R66; -: R67

Classification under CLP: Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT SE 3: H336; -: EUH208

Most important adverse effects: Highly flammable. Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of harm to the unborn child. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

### 2.2 Label elements:

Label elements under CLP:

Hazard statements: EUH208: Contains rosin. May produce an allergic reaction.  
H225: Highly flammable liquid and vapour.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
H361d: Suspected of damaging the unborn child.  
H411: Toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS02: Flame  
GHS08: Health hazard  
GHS09: Environmental  
GHS07: Exclamation mark

Precautionary statements: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P313: Get medical advice.  
P273: Avoid release to the environment.  
P281: Use personal protective equipment as required.  
P501: Dispose of contents/container to national regulations.

Label elements under CHIP:

Hazard symbols: Highly flammable.  
Harmful.  
Dangerous for the environment.


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### Risk phrases:

R11: Highly flammable.  
R36/38: Irritating to eyes and skin.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R63: Possible risk of harm to the unborn child.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

### Safety phrases:

S16: Keep away from sources of ignition - No smoking.  
S38: In case of insufficient ventilation, wear suitable respiratory equipment.  
S23: Do not breathe vapour.  
S36/37: Wear suitable protective clothing and gloves.  
S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

### Precautionary phrases:

Contains rosin. May produce an allergic reaction.  
Restricted to professional users.

## 2.3 Other hazards

### Other hazards:

In use, may form flammable / explosive vapour-air mixture.

### PBT:

This product is not identified as a PBT/vPvB substance.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

#### Hazardous ingredients:

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS <5% N-HEXANE

| EINECS | CA | CHIP Classification                         | CLP Classification   | Percent |
|--------|----|---|--|---------|
| -      | -  | Xn: R65; F: R11; Xi: R38; N: R51/53; -: R67 | Flam. Liq. 2: H225; Aquatic Chronic 2: H411; Skin Irrit. 2: H315; STOT SE 3: H336; Asp. Tox. 1: H304 | 30-50%  |

ETHYL METHYL KETONE - REACH registered number(s): 01-2119457290-43

|           |         |                                 |  |        |
|-----------|---------|---------------------------------|--|--------|
| 201-159-0 | 78-93-3 | F: R11; Xi: R36; -: R66; -: R67 | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066 | 10-30% |
|-----------|---------|---------------------------------|--|--------|

TOLUENE - REACH registered number(s): 01-2119471310-51

|           |          |   |  |       |
|-----------|----------|---|--|-------|
| 203-625-9 | 108-88-3 | F: R11; Xi: R38; Xn: R48/20; Xn: R63; Xn: R65; -: R67 | Flam. Liq. 2: H225; Repr. 2: H361d; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336 | 1-10% |
|-----------|----------|---|--|-------|

#### ACETONE

|           |         |                                 |  |       |
|-----------|---------|---------------------------------|--|-------|
| 200-662-2 | 67-64-1 | F: R11; Xi: R36; -: R66; -: R67 | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066 | 1-10% |
|-----------|---------|---------------------------------|--|-------|

N-HEXANE - REACH registered number(s): 01-2119480412-44-0000

|           |          |  |   |       |
|-----------|----------|--|---|-------|
| 203-777-6 | 110-54-3 | F: R11; Xi: R38; Xn: R48/20; Xn: R62; Xn: R65; -: R67; N: R51/53 | Flam. Liq. 2: H225; Repr. 2: H361f; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411 | 1-10% |
|-----------|----------|--|---|-------|

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### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

|               |   |
|---------------|---|
| Skin contact: | Remove from skin with paper or towel. Wash effected area thoroughly with soap and water. Seek medical advice if symptoms persist.   |
| Eye contact:  | Bathe the eye with running water for 15 minutes. Consult a doctor.  |
| Ingestion:    | Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor. |
| Inhalation:   | Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.  |

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

|                              |  |
|------------------------------|--|
| Skin contact:                | There may be irritation and redness at the site of contact.  |
| Eye contact:                 | There may be irritation and redness. The eyes may water profusely.   |
| Ingestion:                   | There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. |
| Inhalation:                  | There may be irritation of the throat with a feeling of tightness in the chest.                                      |
| Delayed / immediate effects: | Immediate effects can be expected after short-term exposure.   |

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

|                                |  |
|--------------------------------|--|
| Immediate / special treatment: | Eye bathing equipment should be available on the premises. |
|--------------------------------|--|

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

|                      |   |
|----------------------|---|
| Extinguishing media: | Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers. |
|----------------------|---|

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

|                   |  |
|-------------------|--|
| Exposure hazards: | Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back. |
|-------------------|--|

#### 5.3 Advice for fire-fighters

|                           |  |
|---------------------------|--|
| Advice for fire-fighters: | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. |
|---------------------------|--|

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

|                       |   |
|-----------------------|---|
| Personal precautions: | Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition. |
|-----------------------|---|

#### 6.2 Environmental precautions:

|                            |   |
|----------------------------|---|
| Environmental precautions: | Do not discharge into drains or rivers. Contain the spillage using bunding. |
|----------------------------|---|

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

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

### 6.4 Reference to other sections:

Reference to other sections: Refer to section 8 of SDS.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

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

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

### 7.3 Specific end use(s)

Specific end use(s): No data available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Hazardous ingredients:

ETHYL METHYL KETONE

Workplace exposure limits: Respirable dust

| State | 8 hour TWA            | 15 min. STEL          | 8 hour TWA | 15 min. STEL |
|-------|-----------------------|-----------------------|------------|--------------|
| UK    | 600 mg/m <sup>3</sup> | 899 mg/m <sup>3</sup> | -          | -            |

TOLUENE

|    |                       |                       |   |   |
|----|-----------------------|-----------------------|---|---|
| UK | 191 mg/m <sup>3</sup> | 384 mg/m <sup>3</sup> | - | - |
|----|-----------------------|-----------------------|---|---|

ACETONE

|    |                        |                        |   |   |
|----|------------------------|------------------------|---|---|
| UK | 1210 mg/m <sup>3</sup> | 3620 mg/m <sup>3</sup> | - | - |
|----|------------------------|------------------------|---|---|

N-HEXANE

|    |                      |   |   |   |
|----|----------------------|---|---|---|
| UK | 72 mg/m <sup>3</sup> | - | - | - |
|----|----------------------|---|---|---|

DNEL/PNEC Values

DNEL / PNEC: No data available.

### 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

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|                         |   |
|-------------------------|---|
| Respiratory protection: | 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. For long term or high level exposures, compressed airline breathing apparatus should be used. |
| Hand protection:        | Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves for low exposure use nitrile gloves. The user has a legal duty to carry out a COSHH risk assessment to determine the correct glove.                           |
| Eye protection:         | Safety glasses. Ensure eye bath is to hand.   |
| Skin protection:        | Impermeable protective clothing.  |
| Environmental:          | No special requirement.   |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|                               |                                |
|-------------------------------|--------------------------------|
| State:                        | Liquid                         |
| Colour:                       | Amber                          |
| Odour:                        | Characteristic odour           |
| Evaporation rate:             | Fast                           |
| Oxidising:                    | Non-oxidising (by EC criteria) |
| Solubility in water:          | Insoluble                      |
| Viscosity:                    | Non-viscous                    |
| Boiling point/range °C:       | 60                             |
| Flammability limits %: lower: | 0.6                            |
| upper:                        | 13                             |
| Flash point °C:               | -30                            |
| Autoflammability °C:          | 200                            |
| Relative density:             | 0.84                           |

### 9.2 Other information:

|                    |                    |
|--------------------|--------------------|
| Other information: | No data available. |
|--------------------|--------------------|

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

|             |   |
|-------------|---|
| Reactivity: | Stable under recommended transport or storage conditions. |
|-------------|---|

### 10.2 Chemical stability

|                     |   |
|---------------------|---|
| Chemical stability: | Stable under normal conditions. Stable at room temperature. |
|---------------------|---|

### 10.3 Possibility of hazardous reactions

|                      |  |
|----------------------|--|
| Hazardous reactions: | Hazardous reactions will not occur under normal transport or storage conditions.<br>Decomposition may occur on exposure to conditions or materials listed below. |
|----------------------|--|

### 10.4 Conditions to avoid

|                      |  |
|----------------------|--|
| Conditions to avoid: | Heat. Hot surfaces. Sources of ignition. Flames. |
|----------------------|--|

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### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Toxicity values:

| Route   | Species | Test    | Value | Units |
|---------|---------|---------|-------|-------|
| VAPOURS | RAT     | 4H LC50 | >5    | mg/l  |
| ORAL    | RAT     | LD50    | >2000 | mg/kg |
| DERMAL  | RBT     | LD50    | >2000 | mg/kg |

Hazardous ingredients:

#### TOLUENE

|         |     |         |       |       |
|---------|-----|---------|-------|-------|
| DERMAL  | RBT | LD50    | >2000 | mg/kg |
| IVN     | RAT | LD50    | 1960  | mg/kg |
| ORAL    | RAT | LD50    | >2000 | mg/kg |
| ORL     | MUS | LD50    | 2     | gm/kg |
| ORL     | RAT | LD50    | 6900  | mg/kg |
| VAPOURS | RAT | 4H LC50 | >20   | mg/l  |

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|     |     |      |      |       |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 5500 | mg/kg |
| ORL | MUS | LD50 | 3000 | mg/kg |
| ORL | RAT | LD50 | 5800 | mg/kg |

#### N-HEXANE

|     |     |      |      |       |
|-----|-----|------|------|-------|
| IPR | RAT | LDLO | 9100 | mg/kg |
| IVN | MUS | LDLO | 831  | mg/kg |
| ORL | RAT | LD50 | 25   | gm/kg |

Relevant effects for mixture:

| Effect                 | Route   | Basis                 |
|------------------------|---------|-----------------------|
| Irritation             | OPT DRM | Hazardous: calculated |
| Repeated dose toxicity | INH     | Hazardous: calculated |

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### Symptoms / routes of exposure

|                              |  |
|------------------------------|--|
| Skin contact:                | There may be irritation and redness at the site of contact.  |
| Eye contact:                 | There may be irritation and redness. The eyes may water profusely.   |
| Ingestion:                   | There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. |
| Inhalation:                  | There may be irritation of the throat with a feeling of tightness in the chest.                                      |
| Delayed / immediate effects: | Immediate effects can be expected after short-term exposure.   |

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Ecotoxicity values:

| Species | Test     | Value | Units |
|---------|----------|-------|-------|
| FISH    | 96H LC50 | >10   | mg/l  |
| ALGAE   | 96H LC50 | >10   | mg/l  |

### 12.2 Persistence and degradability

Persistence and degradability: Biodegradable in part only.

### 12.3 Bioaccumulative potential

Bioaccumulative potential: May be accumulated in organism.

### 12.4 Mobility in soil

Mobility: Volatile.

### 12.5 Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms.

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal operations: Arrange for disposal by a licensed waste disposal company.

Disposal of packaging: Arrange for disposal by a licensed waste disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### 13.1. Waste treatment methods

Disposal operations: Wet waste: Arrange for disposal by a licenced waste disposal company.

Disposal of packaging: Arrange for disposal by a licenced waste disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

UN number: UN1133

#### 14.2 UN proper shipping name

Shipping name: Adhesive

#### 14.3 Transport hazard class(es)

Transport class: 3

#### 14.4 Packing group

Packing group: II

#### 14.5 Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

#### 14.6 Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 2

### SECTION 15: REGULATORY INFORMATION

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

Specific regulations: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

This MSDS is in accordance with CHIP which implements two European Community Directives:

The Dangerous Substances Directive (DSD EU directive 67/548/EEC)

#### 15.2 Chemical Safety Assessment

### SECTION 16: OTHER INFORMATION

Other Information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

EUH066: Repeated exposure may cause skin dryness or cracking.  
EUH208: Contains <name of sensitising substance>. May produce an allergic reaction. 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.  
H361f: Suspected of damaging fertility.



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H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411: Toxic to aquatic life with long lasting effects.

R11: Highly flammable.

R36/38: Irritating to eyes and skin.

R36: Irritating to eyes.

R38: Irritating to skin.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62: Possible risk of impaired fertility.

R63: Possible risk of harm to the unborn child.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. For further information, contact Technical Services at Daventry, Northants. Telephone (01327) 704778.