

# Langley Primer

Product Ref: (DsC7-0209)  
Issue No: 06 -0516

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Name : Langley Primer

Type of Product : Bitumen Primer

### 1.2. Supplier Details

Langley Waterproofing Systems Limited

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## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**2.1.1. Classification** - Xn; R48/20 N; R51/53 R10-66-67

67/548/EEC Symbols: Xn: Harmful. N: Dangerous for the environment.

**Main hazards** Flammable. 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. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

### 2.1.2. Classification - EC

1272/2008 EUH066; Flam.Liq.3: H226; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2; H411;

### 2.2. Label Elements

Hazard pictograms:



Signal Word	: Danger
Hazard Statement	: EUH066 - Repeated exposure may cause skin dryness or cracking.
Flam.Liq. 3	: H226 - Flammable liquid and vapour.
STOT SE 3	: H336 - May cause drowsiness or dizziness.
STOT RE 1	: H372 - Causes damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2	: H411 - toxic to aquatic life with long lasting effects.

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### Precautionary Statement:

Prevention P210 - Keep away from heat/sparks/open flames/hot surfaces - no smoking. P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statement:

Response P303+P361+P353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 - Call a POISON CENTRE or doctor if you feel unwell.  
P314 - Get medical advice/attention if you feel unwell.  
P370+P378 - In case of fire: Use for extinction.  
P391 - Collect spillage.

### Precautionary Statement:

Storage 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.

### Precautionary Statement:

Disposal P501 - Dispose of contents/container to licensed waste disposal site.

### Further information:

White spirit=Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Reg. Number	Conc. (% w/w)	Classification
Bitumen		64742-93-4	265-196-4	01-2119498270-36	50-60%	
White spirit		64742-88-7	919-446-0	01-2119458049-33	40-50%	Xn;R48/20-65 N; R51/53 R10-66-67

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EC 1272/2008

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White spirit		64742-88-7	919-446-0	01-211945804933	40-50%	EUH066; Flam liq3:H226; AspTox1:H304; STOT SE 3: H336; STOT RE 1: H372;Aquatic Chronic2:H411;

## 4. FIRST AID MEASURES

### 4.1. Description of first-aid measures

**Inhalation:** Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headaches. Move the exposed person to fresh air and seek medical attention.

**Eye contact:** May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

**Skin contact:** May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

**Ingestion:** Harmful if swallowed. Ingestion may cause nausea and vomiting.

Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show them this data sheet or the container label.

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

**Inhalation:** Vapours inhaled in strong concentration have a narcotic effect on the central nervous system. In severe cases, may cause loss of consciousness. May cause irritation to respiratory system.

**Eye Contact:** May cause irritation to eyes.

**Skin Contact:** Repeated exposure may cause skin dryness or cracking. May cause irritation to skin. Ingestion: Ingestion may cause nausea and vomiting.

**General Information:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, foam.

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

Burning produces irritating, toxic and obnoxious fumes.

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### 5.3. Advise for Fire-fighters

Wear suitable respiratory equipment when necessary.

## 6. ACCIDENTAL RELEASE MEASURES/SPILLS AND LEAKS

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

Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.

### 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

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

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition -No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

## 8. EXPOSE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Exposure limits Values

White spirit:

WEL 8-hr limit ppm: WEL 8-hr limit mg/m<sup>3</sup>: 350 WEL 15 min limit ppm WEL 15 min limit mg/m<sup>3</sup>:

### 8.2. Exposure controls



#### 8.2.1. Appropriate Engineering Controls

Ensure adequate ventilation of working area.

#### 8.2.2. Individual Measures

Protection	: Wear chemical protective clothing.
Eye / Face Protection	: Approved safety goggles.
Skin protection/ Hand protection	: Chemical resistant gloves (PVC).
Respiratory protection	: Self-contained breathing apparatus. Wear protecting clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

State	Liquid
Colour	Black
Odour	Characteristic
pH	Not applicable
Melting Point	No data available
Freezing Point	No data available
Boiling Point	>153 °C
Flash Point	>39 °C
Evaporation Rate	Not determined
Flammability Limits	Not determined
Vapour Flammability	Not determined
Upper Explosive Limit	8%
Lower Explosive Limit	0.7%
Vapour Pressure	No data available
Vapour Density	No data available
Fat Solubility	Not determined
Partition coefficient	Not determined
Auto-ignition temperature	>200 °C
Viscosity	>200 mPAS (cone and plate)
Solubility	Insoluble in water

### 9.2. Other information

Conductivity	Not determined
Surface tension	Not determined
Specific gravity	0.9 - 0.94 g/cm <sup>3</sup>
Gas Group	Not applicable
Benzene Content	Not determined
Lead Content	Not applicable
VOC (Volatile organic compounds)	< 385g/l

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### 10. PHYSICAL AND CHEMICAL PROPERTIES

#### 10.1. Chemical stability

Stable under normal conditions.

#### 10.2. Possibility of hazardous reactions

Oxidising agents.

#### 10.3. Conditions to Avoid

Heat, sparks and open flames.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Skin corrosion/irritation	No observed effect level
Serious eye damage/irritation	Burning feeling and temporary redness
Respiratory/skin sensitisation	Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system
Germ cell mutagenicity	No mutagenic effects reported
Carcinogenicity	No carcinogenic effects reported
Reproductive toxicity	No data is available on this product
STOT-single exposure	Central nervous system
STOT-repeated exposure	Components(s) may cause damage to human organs based on animal data
Repeated/prolonged Exposure	Harmful: danger of serious damage to health by prolonged exposure through inhalation. Repeated or prolonged exposure may cause dermatitis.

##### 11.1.1.1. Toxicological Information

White spirit:

Inhalation: Rat LC50/>13.1 h:4 mg/kg Oral Rat LD50: >15000 mg/kg  
Dermal Rabbit LD50: 3400 mg/kg

### 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

White spirit:

Daphnia EC50/48h: 20.0000 mg/l Rainbow Trout LC50/96h: 10-30mg/kg

#### 12.2. Persistence and degradability

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Not readily biodegradable.

### 12.3. Mobility in soil

UVCB.

### 12.4. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.5. Further information

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

## 13. DISPOSAL CONSIDERATIONS

**General Information:** Dispose of in compliance with all local and national regulations.

**Disposal of packaging:** After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free) Dispose of this material and its container to hazardous or special waste collection point.

## 14. DISPOSAL CONSIDERATIONS

Hazard pictograms



### 14.1. UN number

UN 1999

### 14.2. UN proper shipping name

TARS, LIQUID

### 14.3. Transport hazard classes

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

### 14.4. Packing Group

Packing Group III

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### 14.5. Environmental Hazards

Environmental hazards	Yes
Marine pollutant	Yes
ADR/RID	
Hazard ID	30
Tunnel Category	(D/E)
IMDG	
EmS Code	F-E-S-E
IATA	
Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60L
Further information	It is also possible to use UN 1263 Paint Related Products (3,III,(D/E).

## 15. REGULATORY INFORMATION

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

**Regulations:**

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) 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. 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.

## 16. OTHER HEALTH & SAFETY INFORMATION

Text of risk phrases in: R10 - Flammable.

**Section 3:**

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. R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

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### Text of Hazard Statements

#### In Section 3:

EUH066-Repeated exposure may cause skin dryness or cracking.  
Flam.liq.3: H226 - Flammable liquid and vapour.  
Asp.Tox.1: H304 - May be fatal if swallowed and enters airways S  
TOT SE 3: H336 - May cause drowsiness or dizziness.  
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.  
Aquatic chronic 2: H411 - Toxic to aquatic life with long lasting effects.

**Maximum content of VOC: 385 g/l**

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.