

BOSTIK PENETRATION PRIMER
Supersedes Date: 06-Feb-2020Revision date 06-Feb-2020
Revision Number 1**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier****Product Name** BOSTIK PENETRATION PRIMER
Pure substance/mixture Mixture**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended use** Primers.
Uses advised against None known.**1.3. Details of the supplier of the safety data sheet****Company Name**Bostik Limited
Common Rd
ST16 3EH
Stafford UK
Tel: +44 (1785) 27 26 25
Fax: +44 (1785) 25 72 36**E-mail address** SDS.box-EU@bostik.com**1.4. Emergency telephone number****Emergency Telephone** No information available**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

| | |
|---|---------------------|
| Specific target organ toxicity (single exposure) | Category 3 - (H336) |
| Specific target organ toxicity — repeated exposure | Category 1 - (H372) |
| Chronic aquatic toxicity | Category 2 - (H411) |
| Flammable liquids | Category 3 - (H226) |

2.2. Label Elements

Contains: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

**Signal word**
DANGER**Hazard statements**
H336 - May cause drowsiness or dizziness

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supersedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

H372 - Causes damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects
H226 - Flammable liquid and vapour

EU Specific Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P260 - Do not breathe vapour
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P312 - Call a POISON CENTER or doctor if you feel unwell
P391 - Collect spillage
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/container to an approved waste disposal plant

Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public.

2.3. Other Hazards

No information available

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2. Mixtures 3.2 Mixtures

| Chemical name | EC No. | CAS No. | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | REACH Registration Number |
|---|-----------|------------|----------|---|------------------------------------|---------------------------|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | 919-446-0 | RR-91855-8 | 40 - <80 | STOT SE 3 (H336) STOT RE 1 (H372) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226) (EUH066) | | 01-2119458049-33-XXXX |

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No.

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supercedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---|---|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. Get medical attention immediately if symptoms occur. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. |
| Skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Ingestion | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water. Drink 1 or 2 glasses of water. Call a doctor or poison control centre immediately. |
| Self-protection of the first aider | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. |

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

| | |
|-----------------|---|
| Symptoms | Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
|-----------------|---|

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

| | |
|------------------------|------------------------|
| Note to doctors | Treat symptomatically. |
|------------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|---|
| Suitable extinguishing media | CO2, dry chemical, dry sand, alcohol-resistant foam. |
| Unsuitable extinguishing media | Do not use straight streams. CAUTION: Use of water spray when fighting fire may be inefficient. |

5.2. Special hazards arising from the substance or mixture

| | |
|---|---|
| Specific hazards arising from the chemical | Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
|---|---|

5.3. Advice for firefighters

| | |
|---|--|
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|---|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|--|
| Personal precautions | Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid |
|-----------------------------|--|

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supersedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

contact with skin, eyes or clothing. Avoid breathing vapours or mists. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Methods for containment Dyke far ahead of spill; use dry sand to contain the flow of material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Eliminate all ignition sources if safe to do so.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Keep away from food, drink and animal feedingstuffs. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations.

7.3. Specific end use(s)

Specific Use(s)
Primers.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supersedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Derived No Effect Level (DNEL) No information available

| Derived No Effect Level (DNEL) | |
|---|--|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (RR-91855-8) | |
| Type | worker Long term Systemic health effects |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 330 mg/m ³ |

| | |
|--------------------------------|--|
| Type | worker Long term Systemic health effects |
| Exposure route | Dermal |
| Derived No Effect Level (DNEL) | 44 mg/kg bw/d |

| Derived No Effect Level (DNEL) | |
|---|--|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (RR-91855-8) | |
| Type | Consumer Long term Systemic health effects |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 71 mg/m ³ |

| | |
|--------------------------------|--|
| Type | Consumer Long term Systemic health effects |
| Exposure route | Dermal |
| Derived No Effect Level (DNEL) | 26 mg/kg bw/d |

| | |
|--------------------------------|--|
| Type | Consumer Long term Systemic health effects |
| Exposure route | Oral |
| Derived No Effect Level (DNEL) | 26 mg/kg bw/d |

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

Personal Protective Equipment

Eye/face protection

Tight sealing safety goggles.

Hand protection

Wear protective gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Recommended Use: Polyvinyl chloride (PVC).

Skin and body protection

Gloves made of plastic or rubber. Antistatic footwear. Wear fire/flame resistant/retardant clothing.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

SECTION 9: Physical and chemical properties

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supersedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

9.1. Information on basic physical and chemical properties

| | |
|-----------------|--------------------------|
| Physical state | Liquid |
| Appearance | Liquid |
| Colour | Black |
| Odour | Characteristic |
| Odour threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|------------------------------|-------------------------|
| pH | No data available | |
| Melting point / freezing point | No data available | |
| Boiling point / boiling range | > 153 °C | |
| Flash point | > 39 °C | |
| Evaporation rate | No data available | |
| Flammability (solid, gas) | Not applicable for liquids . | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapour pressure | No data available | |
| Vapour density | No data available | |
| Relative density | 0.84 - 0.87 | None known |
| Water solubility | Insoluble in water | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Autoignition temperature | 200 °C | |
| Decomposition temperature | No data available | |
| Kinematic viscosity | >= 23 mm ² /s | @ 40°C |
| Dynamic viscosity | No data available | |
| Explosive properties | No data available | |
| Oxidising properties | No data available | |

9.2. Other information

| | |
|-------------------|--------------------------|
| Solid content (%) | No information available |
| VOC Content (%) | <= 630 g/L |
| Density | No information available |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|---------------------------|
| Reactivity | No information available. |
|------------|---------------------------|

10.2. Chemical stability

| | |
|-----------|---------------------------------|
| Stability | Stable under normal conditions. |
|-----------|---------------------------------|

Explosion Data

| | |
|----------------------------------|-------|
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | Yes. |

10.3. Possibility of hazardous reactions

| | |
|------------------------------------|-------------------------------|
| Possibility of hazardous reactions | None under normal processing. |
|------------------------------------|-------------------------------|

10.4. Conditions to avoid

| | |
|---------------------|--|
| Conditions to avoid | Heat, flames and sparks. Keep from freezing. |
|---------------------|--|

10.5. Incompatible materials

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supercedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

Incompatible materials Oxidising agent.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation May cause drowsiness or dizziness.
Eye contact Based on available data, the classification criteria are not met.
Skin contact Based on available data, the classification criteria are not met.
Ingestion Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|--|--|------------------------------------|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) RR-91855-8 | LD50 >15000 mg/Kg (Rattus) OECD 401 | LD50 > 3400 mg/kg (Rattus) OECD 402 | LC50 (4hrs) >13.1 mg/l (Rattus) |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supersedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to Micro-organisms | Crustacea | M-Factor | M-Factor (long-term) |
|---|--|------------|-----------------------------|---------------------------|----------|----------------------|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) RR-91855-8 | EL50 (72h) = 4.1 mg/l (Pseudokirchnerella subcapitata) OECD 401 | 10-30 mg/l | - | 10-30mg/l (daphnia magna) | | |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment . The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

European Waste Catalogue 17 03 02 bituminous mixtures other than those mentioned in 17 03 01
15 01 10*: Packaging containing residues of or contaminated by dangerous substances

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supersedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|---------------------------------|--|
| 14.1 UN Number | UN1999 |
| 14.2 Proper Shipping Name | Tars, liquid, Environmentally Hazardous |
| 14.3 Transport hazard class(es) | 3 |
| Labels | 3 |
| 14.4 Packing Group | III |
| Description | UN1999, Tars, liquid, 3, III, (D/E), Environmentally Hazardous |
| 14.5 Environmental hazards | Yes |
| 14.6 Special Provisions | None |
| Classification Code | F1 |
| Tunnel restriction code | (D/E) |
| Limited Quantity (LQ) | 5 L |
| ADR Hazard Id (Kemmler Number) | 30 |

IMDG

| | |
|---|---|
| 14.1 UN number | UN1999 |
| 14.2 Proper Shipping Name | Tars, liquid (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)), Marine Pollutant |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing group | III |
| Description | UN1999, Tars, liquid (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)), 3, III, (39°C c.c.), Marine Pollutant |
| 14.5 Marine Pollutant | P. |
| 14.6 Special Provisions | 955 |
| Limited Quantity (LQ) | 5 L |
| EmS-No. | F-E, S-E |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable |

Air transport (ICAO-TI / IATA-DGR)

| | |
|---------------------------------|------------------------------|
| 14.1 UN number | UN1999 |
| 14.2 Proper Shipping Name | Tars, liquid |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing group | III |
| Description | UN1999, Tars, liquid, 3, III |
| 14.5 Environmental hazards | Yes |
| 14.6 Special Provisions | A3 |
| Limited Quantity (LQ) | 10 L |
| ERG Code | 3L |

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supercedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National Regulations

France

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

Flammable liquid (R10), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 3

Water hazard class (WGK)

WGK 2

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Not Listed

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

SAFETY DATA SHEET

BOSTIK PENETRATION PRIMER
Supercedes Date: 06-Feb-2020

Revision date 06-Feb-2020
Revision Number 1

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking
H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H336 - May cause drowsiness or dizziness
H372 - Causes damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects

Legend

| | |
|---------|---|
| TWA | TWA (time-weighted average) |
| STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Ceiling Limit Value |
| * | Skin designation |
| SVHC | Substance(s) of Very High Concern |
| PBT | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals |
| vPvB | Very Persistent and very Bioaccumulative (vPvB) Chemicals |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| EWC | European Waste Catalogue |

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 06-Feb-2020

Indication of changes

Revision note Not applicable.

Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 any process, unless specified in the text.

End of Safety Data Sheet