

Langley Primer

Product Ref: (DsC7-0209)
Issue No: 4

IDENTIFICATION

Product Category

Liquid prime coat product based on a polymer bitumen solution.

Utilisation

Recommended as a prime coat on porous surfaces prior to application of waterproofing bituminous membranes.

Chemical Nature

Substance Dangerous Component(s), Aromatic solvent containing xylene and ethylbenzene, Bitumin may contain sulphur by-products, organic acids, and polynuclear aromatic hydrocarbons.

PHYSICAL PROPERTIES

Black liquid with typical odour of xylene.

Characteristic Temperatures

Boiling point: 137 to 143 °C

Solubility

In water very low, In other solvents miscible in practice in any proportion with most hydrocarbon organic solvents, chlorinated solvents esters etc.

Vapour Pressure

Approximately 0,05 bar at 37.8 °C

Density

0,925g/ml at 20 °C

STORAGE AND HANDLING

Precautions During Storage and Handling:

Store in well ventilated premises far from any source of heat, flames or sparks. Do not smoke, do not place in the same store as foodstuffs.

Packaging Materials

Recommended: Metal cans. Avoid: Plastic containers sensitive to hydrocarbons.

Dangerous Reactions, Preventative Measures

Ensure the product is not near to and above all, not in contact with, powerful oxidants, strong acids and halogens. Decomposition may occur, principally, at high temperature due to thermal cracking or fire. Smoke and vapour emitted, may contain CO, CO₂, SO₂, H₂S etc.

Personnel Precautions

Users are recommended to wear goggles and gloves.

Langley Waterproofing Systems Limited

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SPECIAL PRECAUTIONS

Particular conditions of application that involve risks of contact with spray, may require operators to wear masks and protective overalls.

Instructions for Action after Leaks or Accidental Spillage

Eliminate all sources of heat, flames or sparks; ventilate the premises until they are completely clean. Take precautions to prevent the product spreading, contain it and absorb it with a non-combustible material such as sand. Ensure it does not flow into the drains.

COMBUSTION AND EXPLOSION

Flash Point

24.5°C : Flammable.

Spontaneous Combustion Temperature

Greater than 500°C. This temperature may be considerably lowered by contact with a catalytic material.

Particular Dangers of Fire or of Explosions, Products that Decompose by Pyrolysis

Flammable liquids. Vapours emitted may under certain conditions, form explosive gaseous mixtures (concentration of solvent in air: (1 to 6% approx)

Extinguishing Facilities

Recommended: foam, powder CO₂, sand, water spray. Unadvised: Water jets.

Personal Precautions when Fighting Fires:

Fire fighters should wear gas masks.

TOXICOLOGICAL INFORMATION

Frequent contact with the skin may cause dermatosis with risks of secondary allergies. Vapours irritate the eyes, and may be narcotic when inhaled, either slightly (cephalitis, vertigo, drowsiness), or more seriously, (loss of consciousness) with sometimes, convulsive difficulties. Ingestion causes nausea and vomiting, and is particularly grave when inhaled into the lungs.

FIRST AID

Skin: Wash with soapy water. Remove polluted clothing.

Eyes: Wash copiously with water. Consult a doctor.

Inhalation: Evacuate all personnel to the fresh air. In cases of difficulty with breathing, administer oxygen. If breathing stops, carry out artificial respiration and call a doctor.

Ingestion: Do not induce vomiting in order to avoid any risk of aspiration into the lungs, keep the person warm and call a doctor.

ENVIRONMENTAL PROTECTION

Never discharge the product into drains. Comply, as far as possible, with laws applicable to emissions and elimination of waste. Take particular precautions if the product forms a stable emulsion with water.

This data sheet cancels and supersedes all previous editions. The information contained in this data sheet is based on current knowledge and experience. The purpose of this data sheet is to describe the specific product in terms of safety requirements. It does not constitute a warranty with regard to the product's properties and/or performance in use.

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