

MATERIAL SAFETY DATA SHEET

421 05+

PU Linemarking Paint



"maintenance made easy"

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **PU LINEMARKING PAINT**
 Company Name: Polycote UK
 Centre Point • Wolseley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Classification (EC 1272/2008)

Physical & Chemical Hazards Flam. Liq. 3 – H226
 Human health Elicitation - EUH208 STOT RE 1 - H372
 Environment Aquatic Chronic 3 - H412



Signal word: Danger

Hazard Statements:

EUH208 Contains ETHYL METHYL KETOXIME. May produce an allergic reaction.
 H226 Flammable liquid and vapour.
 H372 Causes damage to organs through prolonged or repeated exposure.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 P260 Do not breathe vapour/ spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P403+235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local regulations.

Contains: NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY
 Supplementary Precautionary Statements:

P233 Keep container tightly closed.
 P240 Ground and bond container and receiving equipment.
 P241 Use explosion-proof electrical equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P264 Wash contaminated skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P314 Get medical advice/ attention if you feel unwell.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	CAS No.	EC No.	Classification (EC1272/2008)	Percent
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	64742-48-9	265-150-3	Flam. Liq. 3 – H226; STOT SE 3 – H336; Asp. Tox. 1 – H304	30 - 60%
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY	64742-82-1	919-446-0	Flam. Liq. 3 – H226; STOT SE 3 – H336; STOT RE 1 – H372; Asp. Tox. 1 – H304; Aquatic Chronic 2 – H411	10 - 30%

Ingredient name	CAS No.	EC No.	Classification (EC1272/2008)	Percent
METHYL ETHYL KETOXIME	96-29-7	202-496-6	Acute Tox. 4 – H312; Eye Dam. 1 – H318 Skin Sens. 1 – H317; Carc. 2 – H351	<1%
PROPIONIC ACID	79-09-4	201-176-3	Flam Liq. 3 – H226; Skin Corr. 1B – H314; Eye Dam. 1 – H318; STOT SE 3 – H335	<1%

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

SECTION 4: FIRST AID MEASURES

General info: If in doubt, get medical attention promptly.
 Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
 Ingestion: Never give anything by mouth to an unconscious person. Give several small portions of water to drink. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
 Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
 Eye contact: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists after washing.
 First-aiders: First aid personnel should wear appropriate protective equipment during any rescue.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.
 Specific hazards: The product is flammable.
 Hazardous combustion products: Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Carbon dioxide (CO₂). Carbon monoxide (CO).
 Fire-fighting procedures: Move containers from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
 Protective equipment: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary and unprotected personnel away from the area.
 Environmental precautions: Use appropriate containment to avoid environmental contamination.
 Clean-up procedures: Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

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SECTION 7: HANDLING AND STORAGE

Usage precautions:	Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.
General hygiene:	Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
Storage conditions:	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.
Storage class:	Flammable liquid storage.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters:
Occupational exposure limits
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY
Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY
Long-term exposure limit (8-hour TWA): OES 600 mg/m³
PROPIONIC ACID
Long-term exposure limit (8-hour TWA): WEL 10 ppm 31 mg/m³
Short-term exposure limit (15-minute): WEL 15 ppm 46 mg/m³
WEL = Workplace Exposure Limit

Protective equipment:



Engineering measures:	Provide adequate general and local exhaust ventilation.
Eye/face protection:	If a risk assessment indicates eye contact is possible, suitable eye protection should be worn e.g. safety spectacles, safety goggles or a faceshield as appropriate. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection:	Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber; thickness 0.35mm minimum. Butyl Rubber; thickness 0.5mm minimum. Fluorinated rubber (Viton); thickness 0.4mm minimum. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.
Other protection:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures:	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and

using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection: No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated banded area to prevent release to drains and/or watercourses. Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Various colours
Odour:	Characteristic
Initial boiling point:	130°C
Flash point °C:	38°C Closed cup.
Relative density:	0.90 - 1.10
Solubility(ies):	Immiscible with water.
VOC:	This product contains a maximum VOC content of 450 g/l.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Flammable/combustible materials.
Chemical stability:	Stable at normal ambient temperatures.
Hazardous reactions:	Under normal conditions of storage and use, no hazardous reactions will occur.
Conditions to avoid:	Avoid heat, flames and other sources of ignition.
Materials to avoid:	Avoid contact with the following materials: Acids. Oxidising agents.
Haz. decomp. products:	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects:	
Inhalation:	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion:	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin contact:	Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.
Eye contact:	May cause severe eye irritation.
Target organs:	Skin, Eyes, Respiratory system, lungs.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Harmful to aquatic life with long lasting effects.
Toxicity:	No data on the mixture itself.
Results of PBT and vPvB assessment:	This product does not contain any substances classified as PBT or vPvB.

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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: TRANSPORT INFORMATION

UN Number: UN1263
 Shipping name: PAINT
 Transport class: 3: Flammable liquids
 Packing group: III
 Environmentally hazardous: No
 EmS: F-E, S-E
 ADR transport category: 3
 Emergency Action Code: •3YE
 Hazard ID number: 30
 Tunnel restriction code: (D/E)

SECTION 15: REGULATORY INFORMATION

National regulations: 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) (as amended).
 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 (as amended).
 Guidance: Workplace Exposure Limits EH40.

SECTION 16: OTHER INFORMATION

Hazard Statements In Full

EUH208 Contains ETHYL METHYL KETOXIME. May produce an allergic reaction.
 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer.
 H372 Causes damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process.

This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose.

No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

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