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

1.1 Product Identifier

Product Name: Poloflex™ PG

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

Material uses: Not applicable

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF

Telephone Number: 01234 846400

Emergency Contact Number: 111 (NHS England)

Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

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

GB CLP Regulation:

Signal word: Danger

Hazard pictograms:

Hazard statements:
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.

Precautionary statements:

Prevention
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 no eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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

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.

Supplementary information: "Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)" reference to be included on product label.

Further Information: H304 aspiration hazard can be eliminated as Kinematic Viscosity is above the threshold of 20.5 mm2/s @ 40°C.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance:
Non-applicable

3.2 Mixtures:

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS (continue)

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Quaternary ammonium compounds, di-C12-18-alkyldimethyl, chlorides		68391-05-9	269-924-1	01-2119486994-16		Acute Tox. 4: H302; Skin Corr. 1B: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;
Asphalt, oxidized		64742-93-4	265-196-4	01-2119498270-36		
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			919-446-0	01-2119458049-33		: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
Dolomite		16389-88-1	240-440-2			
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25		Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
Asphalt (Asphalt, petroleum fumes)		8052-42-4	232-490-9	01-2119480172-44		
Phosphoric acid…% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2	01-2119485924-24		Skin Corr. 1B: H314;

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

By inhalation: Move the exposed person to fresh air.

By eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

By skin contact: Wash off immediately with plenty of soap and water.

By ingestion/aspiration: Rinse mouth thoroughly. Drink 1 to 2 glasses of water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

By inhalation: Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. May cause dizziness and headache.

By eye contact: May cause irritation to eyes.

By skin contact: May cause degreasing of the skin. May cause irritation to skin.

By ingestion/aspiration: Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Irritating to mouth, throat and stomach.

General information

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media: Do NOT use water jet. Use foam, carbon dioxide, dry powder, sand or earth.

5.2 Special hazards arising from the substance or mixture: Burning produces irritating, toxic and obnoxious fumes.

5.3 Advice for firefighters: In confined spaces, fire-fighters should wear self-contained breathing equipment apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Eliminate all sources of ignition. Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions: Do not allow runoff water to enter sewers or drains. Do not flush into surface water. Prevent further spillage if safe.

6.3 Methods and material for containment and cleaning up: Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.

6.4 Reference to other sections: SECTION 13: Disposal considerations. SECTION 14: Transport information. SECTION 2: Hazards identification.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling: Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink or smoke. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any Incompatibilities: Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

8.1.1. Exposure Limit Values

Asphalt (Asphalt, petroleum fumes)	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 5 WEL 15 min limit mg/m3: 10 WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Dolomite	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust: 4	WEL 8-hr limit mg/m3: WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 350 WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500 WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 900 WEL 15 min limit mg/m3: 1250 WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Phosphoric acid…% (Orthophosphoric acid)	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 1 WEL 15 min limit mg/m3: 2 WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:

8.2 Exposure controls:

8.2.1. Appropriate engineering controls Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures Wear suitable protective clothing.

Eye / face protection Wear: Safety glasses. Eye protection conforming to EN166.

Skin protection - Hand protection Wear: Chemical resistant gloves (PVC). It is recommended that chemical-resistant, impervious gloves conforming with EN374 are worn. It is recommended a glove with breakthrough time >30 min is specified albeit end users should undertake their own risk assessment in accordance with their intended use of the product.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

For complete information see the product datasheet.

Appearance:	Viscous liquid.
Colour:	Black
Odour:	Characteristic
Freezing Point:	Not determined
Initial boiling point:	≥ 153 °C
Flash point:	≥ 40 °C
Autoignition temperature:	≥ 200 °C
Viscosity:	≥ 290 x 10-6 m²/s @ 40 °C (ISO 3104/3105)
Solubility:	Insoluble in water

9.2. Other information

Specific gravity:	≈ 1.03
VOC (Volatile organic compounds):	≤ 300 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive.

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: Heat, sparks and open flames. Oxidising agents. Keep only in the original container at a temperature not exceeding 30 °C. Do NOT allow to freeze.

10.5 Incompatible materials: Oxidising agents. Keep away from food, drink and animal feeding stuffs.

10.6 Hazardous decomposition products: Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke. Carbon dioxide (CO2). Carbon oxides. may be formed in fire conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	No sensitizaton effects reported. Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	No mutagenic effects reported. Based on available data, the classification criteria are not met.
Carcinogenicity:	No carcinogenic effects reported. Based on available data, the classification criteria are not met.
Reproductive toxicity:	No teratogenic effects reported. Based on available data, the classification criteria are not met.
STOT-single exposure:	STOT SE 3: H335 - May cause respiratory irritation.
STOT-repeated exposure:	STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Aspiration hazard H304 has been eliminated due the kinematic viscosity of the product being above 20.5 mm2/s @ 40 °C.
Repeated or prolonged exposure:	Repeated or prolonged exposure may cause damage to liver, kidneys and central nervous system. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.
11.1.4. Toxicological Information	No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:	No data available
12.2. Persistence and degradability:	Not readily biodegradable.
12.3. Bioaccumulative potential:	No data is available on this product.
12.4. Mobility in soil:	No data is available on this product.
12.5. Results of PBT and vPvB assessment:	This product does not meet the criteria for classification as PBT or vPvB.
12.6. Other adverse effects:	May cause long-term adverse effects in the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

General information:
Dispose of this material and its container to hazardous or special waste collection point.
17 03 02 bituminous mixtures other than those mentioned in 17 03 01.
Disposal of packaging:
After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free).
15 01 10* packaging containing residues of or containing by dangerous substances.

SECTION 14: TRANSPORT INFORMATION

14.1	**UN number:**	UN1999
14.2	**UN proper shipping name:**	TARS, LIQUID
14.3	**Transport Hazard Class(es):**	
	ADR/RID	3
	Subsidiary risk	-
	IMDG	3
	Subsidiary risk	-
	IATA 3	3
	Subsidiary risk	-
14.4	**Packing group**	III
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	60 L

SECTION 15: REGULATORY INFORMATION

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

Regulations:	the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Classification has been made in accordance with Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation).

SECTION 15: REGULATORY INFORMATION (continue)

15.2. Chemical safety assessment	Not required.
Further information:	EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59. This product does not contain SVHC's >=0.1% EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction This product does not contain substances subject to restriction EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorisation This product does not contain substances subject to authorisation Ozone-depleting substances (ODS) regulation (EC) 1005/2009 N/A.

SECTION 16: OTHER INFORMATION

Text of Hazard Statements in Section 3:
Acute Tox. 4: H302 - Harmful if swallowed.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Eye Dam. 1: H318 - Causes serious eye damage.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
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.
STOT SE 3: H336 - May cause drowsiness or dizziness.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Maximum content of VOC: 300 g/l

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.