

IKO Permateg High Penetration Primer

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Permateg High Penetration Primer - 24600025
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying; [ERC8f] Wide dispersive outdoor use resulting in inclusion into or onto a matrix;
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1.3. Details of the supplier of the safety data sheet

Company	IKO PLC
Address	Appley Lane North Appley Bridge Wigan Lancs - WN6 9AB
Telephone	01257 256771
Fax	
Email	uktechnical@iko.com
Email address of the competent person	uktechnical@iko.com

1.4. Emergency telephone number


Emergency telephone number	Tel: +44 (0)1257 256864 Opening Times: 0900 - 1700 Monday to Friday
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	EUH066; Flam. Liq. 3: H226; Acute Tox. 4: H312; Skin Irrit. 2: H315; Acute Tox. 4: H332;
Main hazards	Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Acute Tox. 4: H312 - Harmful in contact with skin.

2.2. Label elements

Precautionary Statement: Prevention	Skin Irrit. 2: H315 - Causes skin irritation. Acute Tox. 4: H332 - Harmful if inhaled.
	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. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. 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 CENTER or doctor/physician if you feel unwell. P321 - Specific treatment (see on this label). P322 - Specific measures (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. P370+P378 - In case of fire: Use for extinction.
Precautionary Statement: Storage	P403+P235 - Store in a well-ventilated place. Keep cool.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to licensed waste disposal site

2.3. Other hazards

Other hazards	None known.
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SECTION 3: Composition/information on ingredients

3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Xylene (Xylene, o-,m-,p-or mixed isomers)	601-022-00-9	1330-20-7	215-535-7	01-2119488216-32	40 - 50%	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315;
Ethylbenzene	601-023-00-4	100-41-4	202-849-4		1 - 10%	Flam. Liq. 2: H225; Acute Tox. 4: H332;

SECTION 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 headache. Move the exposed person to fresh air. 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.

4.1. Description of first aid measures

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 this container or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

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.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material 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.
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SECTION 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.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Ethylbenzene	WEL 8-hr limit ppm: 100	WEL 8-hr limit mg/m3: 441
	WEL 15 min limit ppm: 125	WEL 15 min limit mg/m3: 552
Xylene (Xylene, o-,m-,p-or mixed isomers)	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m3: 220
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m3: 441

8.2. Exposure controls

	
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8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2. Exposure controls

8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Self-contained breathing apparatus. Wear protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Black
Odour	Aromatic
pH	Not applicable.
Melting point	Not relevant
Freezing Point	Not relevant
Boiling point	137 - 140 °C
Flash point	> 24 °C
Evaporation rate	Not relevant
Flammability limits	Not applicable.
Vapour Flammability	Not applicable.
Upper Explosive Limit	6.7 %
Lower Explosive Limit	0.8 %
Vapour pressure	Not determined
Vapour density	Not determined
Fat Solubility	Not determined
Partition coefficient	Not determined
Autoignition temperature	> 488 °C
Viscosity	> 200 mPas (Cone & Plate)
Oxidising	Not determined
Solubility	Insoluble in water

9.2. Other information

Conductivity	Not determined
Surface tension	Not determined
Specific gravity	0.94 - 0.98 g/cm ³
Gas group	Not applicable.
VOC (Volatile organic compounds)	< 570 g/l

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Oxidising agents.
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10.4. Conditions to avoid

	Heat, sparks and open flames.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Respiratory or skin sensitisation	No sensitization effects reported.
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11.1. Information on toxicological effects

Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.
STOT-repeated exposure	Central nervous system. kidneys. Liver.
Repeated or prolonged exposure	Repeated or prolonged exposure may cause dermatitis.

11.1.4. Toxicological Information

Xylene	Inhalation Rat LC50/5000 h: 4 hrs Dermal Rabbit LD50: >5000 mg/kg	Oral Rat LD50: 3500 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

Xylene	Daphnia EC50/48h: 2930.0000 mg/l Green algae EC50/96h: 3600 mg/kg	Fish LC50/96h: 3300.0000 mg/l Algae EC50/72h: 4600 mg/kg
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12.2. Persistence and degradability

	Not readily biodegradable.
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12.5. Results of PBT and vPvB assessment

	This substance does not meet the criteria for classification as PBT or vPvB.
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12.6. Other adverse effects

	None known.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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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.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN1999
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14.2. UN proper shipping name

	TARS, LIQUID (Contains: Xylene, mixed isomers)
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14.3. Transport hazard class(es)

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	No
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Marine pollutant	No
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ADR/RID

Hazard ID	30
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Tunnel Category	(D/E)
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IMDG

EmS Code	F-E S-E
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IATA

Packing Instruction (Cargo)	366
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Maximum quantity	220 L
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Packing Instruction (Passenger)	355
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Maximum quantity	60 L
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Further information

	It is also possible to use UN 1263 Paint Related Products (3,III, (D/E).
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SECTION 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 on 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. 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.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage.
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Data sources	Data extracted from individual component Safety Data Sheets.
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Text of Hazard Statements in Section 3	Flam. Liq. 3: H226 - Flammable liquid and vapour. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Irrit. 2: H315 - Causes skin irritation. Acute Tox. 4: H332 - Harmful if inhaled. Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
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Other information

Product Subcategory	Binding primers - 750 g/l.
Maximum content of VOC	570 g/l.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.

Version History.

Version 1.0 June 1st 2015 New release for Classification, Labelling Packaging Regulations

Version 2.0 July 1st 2016 Revised Wording for product Name Change