



SAFETY DATA SHEET ARBO PRIMER 925

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

1.1. Product identifier

Product name ARBO PRIMER 925

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

Identified uses Primer for use on porous substrates prior to the application of specified ARBO products.

1.3. Details of the supplier of the safety data sheet

Supplier Adshead Ratcliffe & Co. Ltd.
Derby Road, Belper
Derbyshire.
DE56 1WJ
Tel. (+44) 01773 826661
Fax. (+44) 01773 821215
sds@arbo.co.uk

1.4. Emergency telephone number

Emergency telephone (+44) 01773 826661 (office hours only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Lact. - H362
STOT SE 3 - H335

Environmental hazards Aquatic Chronic 1 - H410

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H362 May cause harm to breast-fed children.
H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P261 Avoid breathing vapours.</p> <p>P280 Wear protective gloves.</p> <p>P280 Wear eye protection.</p> <p>P273 Avoid release to the environment.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains XYLENE, AROMATIC POLYISOCYANATE, ALKANES, C14-17, CHLORO

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

XYLENE	30-60%
CAS number: 1330-20-7	EC number: 215-535-7
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	
AROMATIC POLYISOCYANATE	10-30%
CAS number: 53317-61-6	
Classification Eye Irrit. 2 - H319 Skin Sens. 1 - H317	
ALKANES, C14-17, CHLORO	10-30%
CAS number: 85535-85-9	EC number: 287-477-0
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Lact. - H362 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
2-METHOXY-1-METHYLETHYL ACETATE	1-5%
CAS number: 108-65-6	EC number: 203-603-9
Classification Flam. Liq. 3 - H226	

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TOLUENE	<1%
CAS number: 108-88-3	EC number: 203-625-9
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Do not induce vomiting. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	Upper respiratory irritation. Nausea, vomiting.
Ingestion	May cause discomfort if swallowed.
Skin contact	Skin irritation. Allergic rash.
Eye contact	May irritate eyes.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder. Water spray, fog or mist.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Flammable liquid and vapour. When heated and in case of fire, toxic vapours/gases may be formed. Solvent vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
Hazardous combustion products	Oxides of carbon. Hydrocarbons.

5.3. Advice for firefighters

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Protective actions during firefighting Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear appropriate protective clothing. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Ventilate area to dispel any residual vapours.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Contaminated rags and cloths must be put in fireproof containers for disposal.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented. When using do not eat, drink or smoke. Wash promptly with soap and water if skin becomes contaminated. Provide eyewash station.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Paintable primer.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

2-METHOXY-1-METHYLETHYL ACETATE

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Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 274 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 548 mg/m³(Sk)

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

XYLENE (CAS: 1330-20-7)

DNEL

Workers - Inhalation; Long term systemic effects: 77 mg/m³
 Workers - Inhalation; Short term systemic effects: 289 mg/m³
 Workers - Dermal; Long term systemic effects: 180 mg/kg/day
 General population - Inhalation; Long term systemic effects: 14.8 mg/m³
 General population - Inhalation; Short term systemic effects: 174 mg/m³
 General population - Inhalation; Short term local effects: 174 mg/m³
 General population - Dermal; Long term systemic effects: 108 mg/kg/day
 General population - Oral; Long term systemic effects: 1.6 mg/kg/day

PNEC

- Fresh water; 0.327 mg/l
 - Marine water; 0.327 mg/l
 - Intermittent release; 0.327 mg/l
 - STP; 6.58 mg/l
 - Sediment (Freshwater); 12.6 mg/kg
 - Sediment (Marinewater); 12.6 mg/kg
 - Soil; 2.31 mg/kg

ALKANES, C14-17, CHLORO (CAS: 85535-85-9)

DNEL

Workers - Inhalation; Long term systemic effects: 6.7 mg/m³
 Workers - Dermal; Long term systemic effects: 47.9 mg/kg/day
 General population - Inhalation; Long term systemic effects: 2 mg/m³
 General population - Dermal; Long term systemic effects: 28.75 mg/kg/day
 General population - Oral; Long term systemic effects: 0.58 mg/kg/day

PNEC

- Fresh water; 1 µg/l
 - Marine water; 0.2 µg/l
 - STP; 80 mg/l
 - Sediment (Freshwater); 13 mg/kg
 - Sediment (Marinewater); 2.6 mg/kg
 - Soil; 11.9 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.

Eye/face protection

Wear approved safety goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Wear protective gloves. 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. It is recommended that gloves are made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). To protect hands from chemicals, gloves should comply with European Standard EN374.

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Other skin and body protection	Provide eyewash station.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Straw.
Odour	Aromatic.
Odour threshold	Xylene isomers: 0.324 - 0.851 ppm
pH	Not applicable.
Melting point	Xylene: -39.3°C
Initial boiling point and range	Xylene: 137-140°C @ 760 mm Hg
Flash point	Xylene: 27-32°C CC (Closed cup).
Evaporation rate	Xylene: 0.77 (Butyl acetate = 1)
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: Xylene: 6.7 Lower flammable/explosive limit: Xylene: 0.8
Vapour pressure	Xylene: 0.82 kPa @ 20°C
Vapour density	Xylene: 3.70
Relative density	1.15 @ 20°C
Solubility(ies)	Xylene: 0.0146-0.0191 g/100 g water @ 20°C
Partition coefficient	Data lacking.
Auto-ignition temperature	Xylene: 488°C
Decomposition Temperature	Not available.
Viscosity	550 - 700 P @ 20°C
Explosive properties	Heating may generate vapours which may form explosive mixtures with air.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Molecular weight	«184»
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Aldehydes Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 2,510.69

Acute toxicity - inhalation

ATE inhalation (gases ppm) 11,412.24

Skin corrosion/irritation

Animal data Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitisation

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

Skin sensitisation

Skin sensitisation Sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility Contains a substance which may cause harm to breast-fed children.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure if inhaled.

Aspiration hazard

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

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

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Inhalation	Harmful by inhalation. Solvent vapours are hazardous and may cause nausea, fatigue, dizziness and headaches. May cause respiratory system irritation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Irritating to skin. May cause an allergic skin reaction.
Eye contact	May cause severe eye irritation.

Toxicological information on ingredients.

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,523.0

Species Rat

ATE oral (mg/kg) 3,523.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV) 5,000.0

Species Rat

ATE inhalation (gases ppm) 5,000.0

Skin corrosion/irritation

Animal data Primary dermal irritation index: 2.21 Moderately irritating.

Serious eye damage/irritation

Serious eye damage/irritation Moderately irritating.

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity There are no data for the product.

Ecological information on ingredients.

XYLENE

Acute toxicity - fish LC₅₀, 96 hours: 2.6 - 4.2 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates IC₅₀, 24 hours: 2.2 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 48 hours: 2.2 mg/l, Selenastrum capricornutum

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ALKANES, C14-17, CHLORO

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: >5000 mg/l, Alburnus alburnus (Common bleak)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.0077 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 96 hours: >3.2 mg/l, Selenastrum capricornutum

Chronic aquatic toxicity

M factor (Chronic) 1

Chronic toxicity - fish early life stage NOEC, 14 days: >125 µg/l, Alburnus alburnus (Common bleak)

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.01 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

ALKANES, C14-17, CHLORO

Biodegradation Water - Degradation 43% (Closed bottle test): 28 days
Water - Degradation 63% (Closed bottle test): 60 days
Water - Degradation 51 - 57%: 36 hours

12.3. Bioaccumulative potential

Bioaccumulative potential No data available for the product.

Partition coefficient Data lacking.

Ecological information on ingredients.

XYLENE

Bioaccumulative potential BCF: 29,

Partition coefficient log Pow: 3.2

ALKANES, C14-17, CHLORO

Bioaccumulative potential BCF: 6660, Onchorhynchus mykiss (Rainbow trout)

Partition coefficient log Kow: 5.47-8.01

12.4. Mobility in soil

Mobility Slightly soluble in water. Product will float on the surface of water. In soil the product has only slight mobility and will partially evaporate.

12.5. Results of PBT and vPvB assessment

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Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Allow small quantities to evaporate to the atmosphere in a safe, open place. Absorb in vermiculite, dry sand or earth and place into containers.

Waste class HP3 Flammable HP4 Irritant HP5 STOT / Aspiration toxicity HP13 Sensitising HP14 Ecotoxic Recommended EWC Code 14 06 03*

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT RELATED MATERIAL (xylene)
Proper shipping name (IMDG)	PAINT RELATED MATERIAL (xylene)
Proper shipping name (ICAO)	PAINT RELATED MATERIAL (xylene)
Proper shipping name (ADN)	PAINT RELATED MATERIAL (xylene)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III

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ADN packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3YE

Hazard Identification Number (ADR/RID) 33

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) 1907/2006 REACH (as amended).
Regulation (EC) 1272/2008 CLP (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments General review

Revision date 05/05/2017

Revision 1

Supersedes date 01/06/2015

SDS number 10341

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Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H362 May cause harm to breast-fed children.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.