



## SAFETY DATA SHEET

### AFS Primer

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

##### 1.1. Product identifier

**Product name** AFS Primer

##### 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

**Physical hazards** Flam. Liq. 2 - H225

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Elicitation - EUH208 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Pictogram



**Signal word**

Danger

###### Hazard statements

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.  
H361d Suspected of damaging the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.  
EUH208 Contains METHYL METHACRYLATE, BUTYL METHACRYLATE -norm. May produce an allergic reaction.

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<b>Precautionary statements</b>	<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>P308+P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
<b>Contains</b>	TOLUENE, BUTANOL-norm

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Composition comments** Polyacrylate and methoxysilanes,,in organic solvent.

#### SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	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 immediately.
<b>Skin contact</b>	Wipe off excess material with cloth or paper. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	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

<b>Inhalation</b>	Vapours may cause drowsiness and dizziness. In case of overexposure, organic solvents may cause depression of the central nervous system causing dizziness and intoxication.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Skin irritation. Allergic rash.
<b>Eye contact</b>	May cause serious eye damage.

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

**Notes for the doctor** No specific recommendations.

#### SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	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** The product is highly flammable. Heating may generate flammable vapours.

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**Hazardous combustion products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Wear self contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear appropriate protective clothing. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapours and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb small quantities with paper towels and evaporate in a safe place. 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. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Persons susceptible to allergic reactions should not handle this product. Contaminated rags and cloths must be put in fireproof containers for disposal. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated.

### 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

### 8.2. Exposure controls

**Protective equipment**



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<b>Appropriate engineering controls</b>	Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.
<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
<b>Hand protection</b>	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: Viton rubber (fluoro rubber). Gloves suitable for up to 60 minutes use.
<b>Other skin and body protection</b>	Provide eyewash station.
<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product. Wash hands at the end of each work shift and before eating, smoking and using the toilet.
<b>Respiratory protection</b>	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Use of ABEK mask filter during prolonged exposure advised.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Strong.
<b>Odour threshold</b>	Toluene = 0.16 ppm
<b>pH</b>	Not applicable.
<b>Melting point</b>	Toluene: -95°C
<b>Initial boiling point and range</b>	111°C @ 101.3 hPa
<b>Flash point</b>	8°C
<b>Evaporation rate</b>	Toluene = 6.1
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 7 g/100 g Lower flammable/explosive limit: 1.2 g/100 g
<b>Vapour pressure</b>	29 kPa @ 20°C
<b>Vapour density</b>	Toluene = 3.14
<b>Relative density</b>	0.95 @ 20°C
<b>Solubility(ies)</b>	Toluene: 0.05 g/100 g water @ 25°C
<b>Partition coefficient</b>	log Kow: Toluene: 2.65
<b>Auto-ignition temperature</b>	~420°C
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	100 - 300 cP @ 20°C
<b>Explosive properties</b>	Explosion limits for released methanol: 5.5 - 44%(V).
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

#### 9.2. Other information

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**Other information** Not available.

**Molecular weight** «184»

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** See Section 10.3 (Possibility of hazardous reactions) for further information.

#### 10.2. Chemical stability

**Stability** Avoid the following conditions: Heat, sparks, flames. Moisture.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react with the product: Acids. Alkalis. Water, moisture. Reaction causes the formation of methanol.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

#### 10.5. Incompatible materials

**Materials to avoid** Acids. Alkalis. Water, moisture.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Under the effect of humidity, water and protic agents (contain and can donate a hydrogen ion); methanol

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** For this endpoint no toxicological data is available for the whole product.

**ATE oral (mg/kg)** 16,666.67

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** For this endpoint no toxicological data is available for the whole product.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** For this endpoint no toxicological data is available for the whole product.

##### Skin corrosion/irritation

**Animal data** For this endpoint no toxicological data is available for the whole product.

##### Serious eye damage/irritation

**Serious eye damage/irritation** For this endpoint no toxicological data is available for the whole product.

##### Skin sensitisation

**Skin sensitisation** The product contains small amounts of sensitising substances which may cause an allergic reaction in sensitive individuals.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** For this endpoint no toxicological data is available for the whole product.

##### Carcinogenicity

**Carcinogenicity** For this endpoint no toxicological data is available for the whole product.

##### Reproductive toxicity

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**Reproductive toxicity - fertility** For this endpoint no toxicological data is available for the whole product. Toluene can possibly impair the unborn child in humans.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on constituents classified as a specific target organ toxicant after single exposure. May cause drowsiness and dizziness.

### Specific target organ toxicity - repeated exposure

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

### Aspiration hazard

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

**Inhalation** May cause drowsiness or dizziness.

**Ingestion** May cause stomach pain or vomiting. Product may hydrolyse in gastro-intestinal tract and produce methanol. Methanol irritates mucous membranes, and has skin drying and narcotic effects.

**Skin contact** Irritating to skin. May cause an allergic skin reaction.

**Acute and chronic health hazards** Contains a substance/a group of substances which may damage the unborn child.

**Route of entry** Inhalation Ingestion. Skin and/or eye contact

## SECTION 12: Ecological Information

**Ecotoxicity** No test data is available for the product as a whole.

### 12.1. Toxicity

### 12.2. Persistence and degradability

**Persistence and degradability** Polymer components: Biologically not degradable. Toluene: readily biologically degradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** This product is not expected to significantly bioaccumulate.

**Partition coefficient** log Kow: Toluene: 2.65

### 12.4. Mobility in soil

**Mobility** The product has poor water-solubility.

### 12.5. Results of PBT and vPvB assessment

**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** Not 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. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

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<b>Disposal methods</b>	Absorb in vermiculite, dry sand or earth and place into containers.
<b>Waste class</b>	HP3 Flammable HP4 Irritant HP5 STOT / Aspiration toxicity HP10 Toxic for reproduction Recommended EWC Code 14 06 03*

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993
UN No. (ADN)	1993

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	FLAMMABLE LIQUID, N.O.S. (Contains toluene, butanol)
Proper shipping name (IMDG)	FLAMMABLE LIQUID, N.O.S. (Contains toluene, butanol)
Proper shipping name (ICAO)	FLAMMABLE LIQUID, N.O.S. (Contains toluene, butanol)
Proper shipping name (ADN)	FLAMMABLE LIQUID, N.O.S. (Contains toluene, butanol)

#### 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	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

EmS	F-E, S-E
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<b>ADR transport category</b>	2
<b>Emergency Action Code</b>	•3YE
<b>Hazard Identification Number (ADR/RID)</b>	33
<b>Tunnel restriction code</b>	(D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 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

<b>Revision comments</b>	Classification and labelling according to CLP Regulations.
<b>Revision date</b>	29/10/2015
<b>Supersedes date</b>	31/10/2012
<b>SDS number</b>	20360
<b>Hazard statements in full</b>	EUH208 Contains BUTYL METHACRYLATE -norm, METHYL METHACRYLATE. May produce an allergic reaction. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.

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