



## SAFETY DATA SHEET ARBOMAST GP

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name ARBOMAST GP

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

Identified uses Sealant.

#### 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

(+44) 01773 826661 (office hours only)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) R52/53.

Human health

Not considered as a health hazard under current legislation.

Environment

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

#### 2.2. Label elements

Risk Phrases

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S61

Avoid release to the environment. Refer to special instructions/safety data sheets.

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

WHITE SPIRIT	5-10%
CAS-No.: 64742-82-1	EC No.: 265-185-4
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10,R66.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

Butadiene rubber, with mineral and vegetable oils, fillers, and metal driers.

**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 the exposed person to fresh air at once. Get medical attention if any discomfort continues.

## Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Give milk instead of water if readily available. DO NOT induce vomiting. Get medical attention immediately.

## Skin contact

Wipe off excess material with cloth or paper. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

## Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. 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.

No specific symptoms noted.

## Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

## Skin contact

No specific symptoms noted.

## Eye contact

May cause temporary eye irritation.

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

No specific first aid measures noted.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

## Extinguishing media

Water spray. Foam, carbon dioxide or dry powder.

## 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**

## Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## Unusual Fire &amp; Explosion Hazards

No unusual fire or explosion hazards noted.

## Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

**5.3. Advice for firefighters**

## Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

## Protective equipment for fire-fighters

Wear self contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective clothing.

**6.2. Environmental precautions**

Do not allow to enter drains, sewers or watercourses. Avoid discharge onto the ground.

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

Transfer to a container for disposal. Flush area with water. Do not contaminate water sources or sewer.

**6.4. Reference to other sections**

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For personal protection, see section 8. See section 11 for additional information on health hazards. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Unspecified storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Gunnable sealant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
WHITE SPIRIT	WEL		600 mg/m <sup>3</sup>			

WEL = Workplace Exposure Limit.

Ingredient Comments

DNEL values given for White Spirit

DNEL

Industry	Dermal	Long Term	44	mg/kg/day
Industry	Inhalation.	Long Term	330 per 8 hours	mg/m <sup>3</sup>
Consumer	Dermal	Long Term	26	mg/kg/day
Consumer	Inhalation.	Long Term	71 per 24 hours	mg/m <sup>3</sup>
Consumer	Oral	Long Term	26	mg/kg/day

### 8.2. Exposure controls

Protective equipment



Engineering measures

No particular ventilation requirements.

Hand protection

Use suitable protective gloves if risk of skin contact. Rubber (natural, latex).

Eye protection

Not generally required.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

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	Paste.
Colour	Misc. colours.
Odour	Alkyd paint.
Solubility	Insoluble in water
Initial boiling point and boiling range	White Spirit 150 - 200 760 mm Hg

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Melting point (°C)

Not applicable.

Relative density 1.55 @ 20°C

Vapour density (air=1)

Not applicable.

Vapour pressure White Spirit <5 hPa 20°C

Evaporation rate White Spirit 65 (EtEt=1)

Evaporation Factor

Not applicable.

pH-Value, Conc. Solution

Not applicable.

pH-Value, Diluted Solution

Not applicable.

Viscosity 8, 000 - 10, 000 @ 20°C

Solubility Value (G/100G H<sub>2</sub>O@20°C)

Not applicable.

Technically not feasible. Standard tests for this endpoint are for single substances and are not appropriate for this mixture.

Odour Threshold, Lower

Not applicable.

Odour Threshold, Upper

Not applicable.

Flash point White Spirit +>38 Closed Cup

Auto Ignition Temperature (°C) White Spirit >230

Flammability Limit - Lower(%) 0.7 (White spirit)

Flammability Limit - Upper(%) 7 (White spirit)

Partition Coefficient  
(N-Octanol/Water)

Not applicable.

Standard tests for this endpoint are for single substances and are not appropriate for this mixture.

Explosive properties

Not applicable.

Oxidising properties

Not applicable.

## **9.2. Other information**

None.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

No specific reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

### **10.3. Possibility of hazardous reactions**

Not known.

Hazardous Polymerisation

Will not polymerise.

### **10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time.

### **10.5. Incompatible materials**

Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

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Toxic Dose 1 - LD 50

White Spirit >15000 mg/kg (oral rat)

Toxic Dose 2 - LD 50

White Spirit >3400 mg/kg (dermal rat)

Toxic Conc. - LC 50

White Spirit >13100 mg/l/4h (inh-rat)

Toxicological information

The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly.

## 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:

Based on available data the classification criteria are not met.

## Germ cell mutagenicity:

Does not contain any substances known to be mutagenic.

## Carcinogenicity:

Does not contain any substances known to be carcinogenic.

## Reproductive Toxicity:

Does not contain any substances known to be toxic to reproduction.

## Specific target organ toxicity - single exposure:

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

## Specific target organ toxicity - repeated exposure:

Not classified as a specific target organ toxicant after repeated exposure.

## Aspiration hazard:

Not relevant, due to the form of the product.

Inhalation

Not relevant at normal room temperatures. When heated, toxic vapours may be formed.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Skin contact

Skin irritation is not anticipated when used normally.

Eye contact

May cause temporary eye irritation. Will not injure eye tissue.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

### **12.1. Toxicity**

Information relates to White Spirit.

Acute Toxicity - Fish

LC50 96 hours < 30 mg/l *Onchorhynchus mykiss* (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours < 22 mg/l *Daphnia magna*

Acute Toxicity - Aquatic Plants

EC50 72 hours < 10 mg/l

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Acute Toxicity - Microorganisms  
EC50 48 hours 43.98 mg/l  
Chronic Toxicity - Aquatic Invertebrates  
NOEC 21 days 0.097 mg/l Daphnia magna

## **12.2. Persistence and degradability**

Degradability  
There are no data on the degradability of this product.

## **12.3. Bioaccumulative potential**

Bioaccumulative potential  
The product does not contain any substances expected to be bioaccumulating.  
Partition coefficient  
Not applicable.  
Standard tests for this endpoint are for single substances and are not appropriate for this mixture.

## **12.4. Mobility in soil**

Mobility:  
The product is insoluble in water.

## **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

## **12.6. Other adverse effects**

None known.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.  
Waste Class  
H14 - Ecotoxic  
Recommended EWC Code 08 04 09\*

## **SECTION 14: TRANSPORT INFORMATION**

General  
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

No information required.

### **14.2. UN proper shipping name**

No information required.

### **14.3. Transport hazard class(es)**

No information required.

### **14.4. Packing group**

No information available.

### **14.5. Environmental hazards**

### **14.6. Special precautions for user**

No information required.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Uk Regulatory References

Chemicals (Hazard Information & Packaging) Regulations.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) 1907/2006 REACH. Regulation (EC) 1272/2008 CLP.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Comments

New format as required by REACH Annex II

Revision Date 12/07/12

Supersedes date 27/10/05

SDS No. 10160

Risk Phrases In Full

R10 Flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H226 Flammable liquid and vapour.

H412 Harmful to aquatic life with long lasting effects.

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

H411 Toxic to aquatic life with long lasting effects.

## Disclaimer

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 a 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.