

**Jarocol 2M5AP****Safety Data Sheet**according to UK REACH Regulation  
SDS Ref.: 803

Date of issue: 7/21/2021 Revision date: 7/21/2021 Version: 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Substance  
Trade name : Jarocol 2M5AP  
EC-No. : 220-618-6  
CAS-No. : 2835-95-2  
REACH registration No : UK-01-8844197578-1-0001  
Product code : 803

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Hair colouring component

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

James Robinson Speciality Ingredients BV  
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[reachmanager@jrjsi.com](mailto:reachmanager@jrjsi.com) - [www.jrjsi.com](http://www.jrjsi.com)

James Robinson Speciality Ingredients Ltd  
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Leeds Road  
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[reachmanager@jrjsi.com](mailto:reachmanager@jrjsi.com) - [www.jrjsi.com](http://www.jrjsi.com)

**1.4. Emergency telephone number**

Emergency number : +44 (0)7867538850  
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to GB CLP Regulation**

Skin sensitisation, Category 1 H317  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411  
Full text of H statements : see section 16

**Adverse physicochemical, human health and environmental effects**

May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

**2.2. Label elements****Labelling according to GB CLP Regulation**

Hazard pictograms (CLP)



GHS07

GHS09

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H317 - May cause an allergic skin reaction.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P273 - Avoid release to the environment.**2.3. Other hazards**

Other hazards not contributing to the classification : Dust may form explosive mixture in air.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Name : JAROCOL 2M5AP

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CAS-No. : 2835-95-2

EC-No. : 220-618-6

Name	Product identifier	%	Classification according to GB CLP Regulation
2-Methyl-5-aminophenol	(CAS-No.) 2835-95-2 (EC-No.) 220-618-6	98 - 100	Skin Sens. 1, H317 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

### **3.2. Mixtures**

Not applicable

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam.

### **5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### **5.3. Advice for firefighters**

Precautionary measures fire : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.  
Firefighting instructions : Use water spray or fog for cooling exposed containers. Try to limit the volume of contaminated water. Prevent entry to sewers and public waters.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## **SECTION 6: Accidental release measures**

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

#### **6.1.1. For non-emergency personnel**

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### **6.1.2. For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### **6.2. Environmental precautions**

Avoid release to the environment.

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

For containment : Collect spillage.  
Methods for cleaning up : Recover mechanically the product.  
Other information : Dispose of materials or solid residues at an authorized site.

### **6.4. Reference to other sections**

For further information refer to section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.  
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

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### 7.3. Specific end use(s)

Hair colouring component.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Jarocol 2M5AP (2835-95-2)	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, dermal	Low hazard (no threshold derived)
Acute - systemic effects, inhalation	Low hazard (no threshold derived)
Acute - local effects, dermal	0.00266 mg/cm <sup>2</sup>
Acute - local effects, inhalation	Low hazard (no threshold derived)
Long-term - systemic effects, dermal	3.23 mg/kg bw/day
Long-term - local effects, dermal	0.00266 mg/cm <sup>2</sup>
Long-term - systemic effects, inhalation	6.6 mg/m <sup>3</sup>
Long-term - local effects, inhalation	Low hazard (no threshold derived)
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.024 mg/l
PNEC aqua (marine water)	0.0024 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0.129 mg/kg dwt
PNEC sediment (marine water)	0.013 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.012 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	1.5 mg/l

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Appearance	: Powder.
Colour	: Beige.
Odour	: odourless.
Odour threshold	: No data available
pH	: 7.2 10g/L
Relative evaporation rate (butylacetate=1)	: No data available

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Melting point	: 160 °C (decomposition) (OECD 102)
Freezing point	: Not applicable
Boiling point	: 160 °C (decomposition)
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: 160 °C
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: 0.000085 hPa 20 deg C (OECD 104)
Relative vapour density at 20 °C	: No data available
Relative density	: 1.244 20 deg C (OECD 109)
Solubility	: Water: 4.1 g/l 25 deg C (EU A.6)
Log Pow	: 0.53 20 deg C (EU A.8)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not applicable
<b>9.2. Other information</b>	
Minimum ignition energy	: 10-30 mJ

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Jarocol 2M5AP (2835-95-2)	
LD50 oral rat	3600 mg/kg
LD50 dermal	5700 mg/kg (calculated)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	42.6 mg/l/4h (calculated)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7.2 10g/L
Additional information	: Not irritant. (OECD 439 method) Non-corrosive (OECD 431 method)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7.2 10g/L
Additional information	: Not irritant. (OECD 438 method) (OECD 492 method)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: (OECD 429 method)
Germ cell mutagenicity	: Not classified

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Additional information	: Mutagenicity tests are negative. (OECD 474 method) (OECD 486 method)
Carcinogenicity	: Not classified (No data available.)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: NOAEL (reproductive toxicity) : 200 mg/kg bw/day, NOAEL (parental toxicity) : 200 mg/kg bw/day (OECD 415); NOAEL (maternal toxicity) : 180 mg/kg bw/day, NOAEL (developmental toxicity) : 180 mg/kg bw/day (OECD 414). No embryotoxic or teratogenic effects).
STOT-single exposure	: Not classified (No data available.)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: NOAEL : 180 mg/kg bw/day (OECD 408)
Aspiration hazard	: Not classified (No data available.)

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Toxic to aquatic life with long lasting effects.

#### Jarocol 2M5AP (2835-95-2)

LC50 fish 1	25 mg/l 96hrs (OECD 203)
EC50 Daphnia 1	2.3 mg/l 48hrs (OECD 202)
EC50 72h algae (1)	41 mg/l ErC50 (OECD 201)
EC50 72h algae (2)	17 mg/l EyC50 (OECD 201)
NOEC chronic crustacea	0.78 mg/l Daphnia magna 21d (OECD 211)
EC50/micro-organisms/3 hrs	>150 mg/L (OECD 209)

#### 12.2. Persistence and degradability

#### Jarocol 2M5AP (2835-95-2)

Persistence and degradability	Not readily biodegradable. (OECD 301B method).
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#### 12.3. Bioaccumulative potential

#### Jarocol 2M5AP (2835-95-2)

Log Pow	0.53 20 deg C (EU A.8)
Bioaccumulative potential	Product has a low bioaccumulating potential.

#### 12.4. Mobility in soil

#### Jarocol 2M5AP (2835-95-2)

Log Koc	1.25 (OECD 121)
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#### 12.5. Results of PBT and vPvB assessment

#### Jarocol 2M5AP (2835-95-2)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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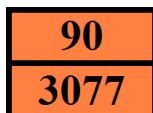
according to UK REACH Regulation

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol)
<b>Transport document description</b>				
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol), 9, III, MARINE POLLUTANT	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-methyl-5-aminophenol), 9, III
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9
<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M7  
 Special provisions (ADR) : 274, 335, 375, 601  
 Limited quantities (ADR) : 5kg  
 Excepted quantities (ADR) : E1  
 Packing instructions (ADR) : P002, IBC08, LP02, R001  
 Special packing provisions (ADR) : PP12, B3  
 Mixed packing provisions (ADR) : MP10  
 Portable tank and bulk container instructions (ADR) : T1, BK1, BK2, BK3  
 Portable tank and bulk container special provisions (ADR) : TP33  
 Tank code (ADR) : SGAV, LGBV  
 Vehicle for tank carriage : AT  
 Transport category (ADR) : 3  
 Special provisions for carriage - Packages (ADR) : V13  
 Special provisions for carriage - Bulk (ADR) : VC1, VC2  
 Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
 Hazard identification number (Kemler No.) : 90  
 Orange plates :



Tunnel restriction code (ADR) : -

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EAC code : 2Z

### Transport by sea

No data available

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y956  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 956  
PCA max net quantity (IATA) : 400kg  
CAO packing instructions (IATA) : 956  
CAO max net quantity (IATA) : 400kg  
Special provisions (IATA) : A97, A158, A179, A197  
ERG code (IATA) : 9L

### Inland waterway transport

Classification code (ADN) : M7  
Special provisions (ADN) : 274, 335, 375, 601  
Limited quantities (ADN) : 5 kg  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T\* B\*\*  
Equipment required (ADN) : PP, A  
Number of blue cones/lights (ADN) : 0  
Additional requirements/Remarks (ADN) : \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\*\* Only in the case of transport in bulk.

### Rail transport

Classification code (RID) : M7  
Special provisions (RID) : 274, 335, 375, 601  
Limited quantities (RID) : 5kg  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P002, IBC08, LP02, R001  
Special packing provisions (RID) : PP12, B3  
Mixed packing provisions (RID) : MP10  
Portable tank and bulk container instructions (RID) : T1, BK1, BK2, BK3  
Portable tank and bulk container special provisions (RID) : TP33  
Tank codes for RID tanks (RID) : SGAV, LGBV  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W13  
Special provisions for carriage – Bulk (RID) : VC1, VC2  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31  
Colis express (express parcels) (RID) : CE11  
Hazard identification number (RID) : 90

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Jarocol 2M5AP is not on the REACH Candidate List

Jarocol 2M5AP is not on the REACH Annex XIV List

JAROCOL 2M5AP [UK] is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

JAROCOL 2M5AP [UK] is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

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### 15.1.2. National regulations

#### Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### Netherlands

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

#### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

#### SDS UK REACH

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*