

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

1.1. Product identifier

Product form : Substance
Trade name : Jarocol 4A3MP
EC-No. : 220-621-2
CAS-No. : 2835-99-6
REACH registration No : UK-01-4663644375-9-0001
Product code : 805

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
Office 12.15, Millenium Tower
Radarweg 29/12B
1043 NX Amsterdam - Netherlands
T +31 (0)20 854 6217
reachmanager@jrjsi.com - www.jrjsi.com

James Robinson Speciality Ingredients Ltd
PO Box B3
Leeds Road
Huddersfield HD1 6BU - United Kingdom
T +44(0)1484 320500
reachmanager@jrjsi.com - 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

Acute toxicity (oral), Category 4 H302
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410
Full text of H statements : see section 16

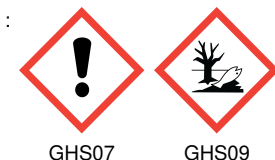
Adverse physicochemical, human health and environmental effects

Harmful if swallowed. May cause an allergic skin reaction. Very 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)

: H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
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

Jarocol 4A3MP

Safety Data Sheet

according to UK REACH Regulation

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : JAROCOL 4A3MP
CAS-No. : 2835-99-6
EC-No. : 220-621-2

Name	Product identifier	%	Classification according to GB CLP Regulation
4-Amino-3-methylphenol	(CAS-No.) 2835-99-6 (EC-No.) 220-621-2	100	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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.
First-aid measures after ingestion : Rinse mouth.

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.
Symptoms/effects after ingestion : Harmful if swallowed.

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.

Jarocol 4A3MP

Safety Data Sheet

according to UK REACH Regulation

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.

Incompatible materials

: Strong oxidizers.

7.3. Specific end use(s)

Hair colouring component.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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. light brown.
Odour	: odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 178 - 180 °C (decomposition) (OECD 102)
Freezing point	: Not applicable
Boiling point	: 178 - 180 °C (decomposition) (OECD 103)
Flash point	: Not applicable
Auto-ignition temperature	: None detected (EU A.16)
Decomposition temperature	: No data available
Flammability (solid, gas)	: (EU A.10) Non flammable.
Vapour pressure	: < 0.000025 hPa (20 deg C) (OECD 104)
Relative vapour density at 20 °C	: No data available
Relative density	: 1.243 (20 deg C) (OECD 109)
Solubility	: Water: 2 g/l (25 deg C) (OECD 105)
Log Pow	: 0.51 (22 deg C) (OECD 107)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available

Jarocol 4A3MP

Safety Data Sheet

according to UK REACH Regulation

Oxidising properties : No data available

Explosive limits : Not applicable

9.2. Other information

Minimum ignition energy : 3-10 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

Strong oxidizers.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified (No data available.)

Acute toxicity (inhalation) : Not classified (No data available.)

Jarocol 4A3MP (2835-99-6)

LD50 oral rat	870 - 1010 mg/kg (OECD 401)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Not irritant. (OECD 437 method) Non-corrosive (OECD 431 method)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Not irritant. (OECD 438 method)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: (OECD 429 method)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Mutagenicity tests are negative. (OECD 471 method) (OECD 474 method) (OECD 476 method)
Carcinogenicity	: Not classified (No data available.)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: NOAEL (maternal toxicity) : 56.8 mg/kg bw/day; NOAEL (developmental toxicity) : 56.8 mg/kg bw/day (OECD 414)
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 : 42.6 mg/kg bw/day (OECD 408)
Aspiration hazard	: Not classified (No data available.)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Jarocol 4A3MP (2835-99-6)

LC50 fish 1	0.42 mg/l (96 hrs) (OECD 236)
EC50 Daphnia 1	0.2 mg/l (48 hrs) (OECD 202)

Jarocol 4A3MP

Safety Data Sheet

according to UK REACH Regulation

EC50 72h algae (1)	0.012 mg/l ErC50 (72 hrs) (OECD 201)
EC50 72h algae (2)	0.035 mg/l EyC50 (72 hrs) (OECD 201)
NOEC chronic crustacea	0.22 mg/l (Daphnia magna) (21 d) (OECD 211)
EC50 microorganisms/3 hrs	32.3 mg/L (OECD 209)

12.2. Persistence and degradability

Jarocol 4A3MP (2835-99-6)

Persistence and degradability Not readily biodegradable. (OECD 301F method).

12.3. Bioaccumulative potential

Jarocol 4A3MP (2835-99-6)

Log Pow 0.51 (22 deg C) (OECD 107)
Bioaccumulative potential Product has a low bioaccumulating potential.

12.4. Mobility in soil

Jarocol 4A3MP (2835-99-6)

Mobility in soil High mobility in soil
Log Koc 1.48 (OECD 121)

12.5. Results of PBT and vPvB assessment

Jarocol 4A3MP (2835-99-6)

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

: Packaging that cannot be cleaned should be disposed of like the product. 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.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol))
Transport document description				
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol)), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol)), 9, III, MARINE POLLUTANT	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol)), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol)), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((4-amino-3-methylphenol)), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9

Jarocol 4A3MP

Safety Data Sheet

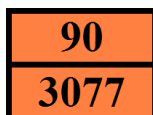
according to UK REACH Regulation

14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
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) : -
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**

Jarocol 4A3MP

Safety Data Sheet

according to UK REACH Regulation

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 4A3MP is not on the REACH Candidate List

Jarocol 4A3MP is not on the REACH Annex XIV List

JAROCOL 4A3MP [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 4A3MP [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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Jarocol 4A3MP

Safety Data Sheet

according to UK REACH Regulation

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