

**Jarocol HNT****Safety Data Sheet**according to UK REACH Regulation  
SDS Ref.: 892

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 HNT  
 EC-No. : 408-090-7  
 CAS-No. : 100418-33-5  
 REACH registration No : UK-01-6876261491-2-0001  
 Product code : 892

**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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 T +31 (0)20 854 6217  
[reachmanager@jrjsi.com](mailto:reachmanager@jrjsi.com) - [www.jrjsi.com](http://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](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**

Oxidising Solids, Category 1 H271  
 Acute toxicity (oral), Category 4 H302  
 Skin sensitisation, Category 1 H317  
 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
 Full text of H statements : see section 16

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

Harmful if swallowed. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

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

Hazard pictograms (CLP)



GHS03

GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H271 - May cause fire or explosion; strong oxidiser.  
 H302 - Harmful if swallowed.  
 H317 - May cause an allergic skin reaction.  
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P220 - Keep/Store away from clothing and other combustible materials.  
 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.  
 P371+P380+P375 - In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.  
 P273 - Avoid release to the environment.

**2.3. Other hazards**

Other hazards not contributing to the classification : Potential dust explosion hazard.

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 HNT  
 CAS-No. : 100418-33-5  
 EC-No. : 408-090-7

Name	Product identifier	%	Classification according to GB CLP Regulation
2-((4-methyl-2-nitrophenyl)amino)ethanol	(CAS-No.) 100418-33-5 (EC-No.) 408-090-7 (EC Index-No.) 603-126-00-X	98 - 100	Ox. Sol. 1, H271 Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Chronic 3, H412

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 : Rinse skin with water/shower. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. 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**

Fire hazard : May cause fire or explosion; strong oxidiser.

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 : In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

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. No open flames, no sparks, and no smoking. 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**

Methods for cleaning up : Recover mechanically the product. Notify authorities if product enters sewers or public waters.

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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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

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

: combustible materials.

### **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 fire/flamm resistant/retardant 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	: Crystalline.
Colour	: Orange. red.
Odour	: odourless.
Odour threshold	: No data available
pH	: 6
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 80 - 82 °C (OECD 102)
Freezing point	: Not applicable
Boiling point	: 259 °C (OECD 103)
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: 259 °C
Flammability (solid, gas)	: Not flammable,EU A.10
Vapour pressure	: 0.00000283 hPa (25 deg C) (OECD 104)
Relative vapour density at 20 °C	: No data available
Relative density	: 1.32 (20 deg C) (OECD 109)
Solubility	: Water: 0.35 g/l (20 deg C) (OECD 105)

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Log Pow	: 2.1 (20 deg C)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive. EU A.14.
Oxidising properties	: Oxidizing. EU A.17.
Explosive limits	: Not applicable
<b>9.2. Other information</b>	
Surface tension	: 53.3 mN/m (20 deg C, 25 mg/L) (OECD 115)

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

May cause fire or explosion; strong oxidiser.

#### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Combustible materials.

#### 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 (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (No data available.)

#### Jarocol HNT (100418-33-5)

LD50 oral rat	1500 mg/kg (OECD 401)
LD50 dermal rat	> 2000 mg/kg (OECD 402)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 6
Additional information	: Not irritant. (OECD 404 method) (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: 6
Additional information	: Not irritant. (OECD 405 method)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: (EU B.6)
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) (OECD 487 method)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Not carcinogenic
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: NOAEL (maternal toxicity) : 60 mg/kg bw/day; NOAEL (developmental toxicity) : 60 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 : 240 mg/kg bw/day (OECD 407) NOAEL : 45 mg/kg bw/day (OECD 408)

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Aspiration hazard : Not classified (No data available.)

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

#### Jarocol HNT (100418-33-5)

LC50 fish 1	43.5 mg/l 96 hrs (OECD 203)
EC50 Daphnia 1	53.1 mg/l 48 hrs (OECD 202)
EC50 72h algae (1)	37.1 mg/l (OECD 201)

#### 12.2. Persistence and degradability

#### Jarocol HNT (100418-33-5)

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

#### 12.3. Bioaccumulative potential

#### Jarocol HNT (100418-33-5)

Log Pow : 2.1 (20 deg C)  
Bioaccumulative potential : Product has a low bioaccumulating potential.

#### 12.4. Mobility in soil

No additional information available

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

#### Jarocol HNT (100418-33-5)

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 1479	UN 1479	UN 1479	UN 1479	UN 1479
<b>14.2. UN proper shipping name</b>				
OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol)	OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol)	OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol)	OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol)	OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol)
<b>Transport document description</b>				
UN 1479 OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol), 5.1, I, (E)	UN 1479 OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol), 5.1, I	UN 1479 OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol), 5.1, I	UN 1479 OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol), 5.1, I	UN 1479 OXIDIZING SOLID, N.O.S. (2-((4-methyl-2-nitrophenyl)amino)ethanol), 5.1, I
<b>14.3. Transport hazard class(es)</b>				
5.1	5.1	5.1	5.1	5.1

				
<b>14.4. Packing group</b>				
I	I	I	I	I
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : O2  
 Special provisions (ADR) : 274  
 Limited quantities (ADR) : 0  
 Excepted quantities (ADR) : E0  
 Packing instructions (ADR) : P503, IBC05  
 Mixed packing provisions (ADR) : MP2  
 Transport category (ADR) : 1  
 Special provisions for carriage - Packages (ADR) : V10  
 Special provisions for carriage - Loading, unloading and handling (ADR) : CV24  
 Special provisions for carriage - Operation (ADR) : S20  
 Tunnel restriction code (ADR) : E  
 EAC code : 1Y

#### Transport by sea

No data available

#### Air transport

PCA Excepted quantities (IATA) : E0  
 PCA Limited quantities (IATA) : Forbidden  
 PCA limited quantity max net quantity (IATA) : Forbidden  
 PCA packing instructions (IATA) : 557  
 PCA max net quantity (IATA) : 1kg  
 CAO packing instructions (IATA) : 561  
 CAO max net quantity (IATA) : 15kg  
 Special provisions (IATA) : A3, A803  
 ERG code (IATA) : 5L

#### Inland waterway transport

Classification code (ADN) : O2  
 Special provisions (ADN) : 274  
 Limited quantities (ADN) : 0  
 Excepted quantities (ADN) : E0  
 Equipment required (ADN) : PP  
 Number of blue cones/lights (ADN) : 0

#### Rail transport

Classification code (RID) : O2  
 Special provisions (RID) : 274  
 Limited quantities (RID) : 0  
 Excepted quantities (RID) : E0  
 Packing instructions (RID) : P503, IBC05  
 Mixed packing provisions (RID) : MP2  
 Transport category (RID) : 1  
 Special provisions for carriage – Packages (RID) : W10  
 Special provisions for carriage - Loading, unloading and handling (RID) : CW24

Hazard identification number (RID) : 55

**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 HNT is not on the REACH Candidate List

Jarocol HNT is not on the REACH Annex XIV List

JAROCOL HNT [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 HNT [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****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(3) - hazardous 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**

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 Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Ox. Sol. 1	Oxidising Solids, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
H271	May cause fire or explosion; strong oxidiser.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H412	Harmful 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*