

Jarocol HNT

Safety Data Sheet

According to 29 CFR 1910.1200
SDS Ref.: 892

Date of issue: 6/10/2021 Revision date: 6/10/2021 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
Name : 2-((4-methyl-2-nitrophenyl)amino)ethanol
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

Supplier

James Robinson Speciality Ingredients BV
Office 12.15, Millenium Tower
Radarweg 29/12B
1043 NX Amsterdam - Netherlands
T +31 (0)20 854 6217
philip.webster@irsi.com - www.irsi.com

Other

James Robinson Speciality Ingredients Ltd
Leeds Road
P.O. Box B3
Huddersfield - United Kingdom
T +44(0)1484 320500
philip.webster@irsi.com - www.irsi.com

1.4. Emergency telephone number

Emergency number : +44 (0)7867538850

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Oxidizing solids Category 1 H271
Acute toxicity (oral) Category 4 H302
Skin sensitization, 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

Labeling

Hazard pictograms



GHS03

GHS07

Signal word

: Warning

Hazard statements

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

Precautionary statements

: 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.

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
2-((4-methyl-2-nitrophenyl)amino)ethanol	(CAS-No.) 100418-33-5 (EC-No.) 408-090-7	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 oxidizer.
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/vapors/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.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

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/vapors/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/flare 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.

Color : Orange. red.

Odor : Odorless.

Odor threshold : No data available

pH : 6

Relative evaporation rate (butyl acetate=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

Vapor pressure : 0.00000283 hPa (25 deg C) (OECD 104)

Relative vapor 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)

Log Pow : 2.1 (20 deg C)

Viscosity, kinematic : No data available

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Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive. EU A.14.
Oxidizing properties	: Oxidizing. EU A.17.
Explosion limits	: Not applicable
9.2. Other information	
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 oxidizer.

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 sensitization	: 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.
Specific target organ toxicity – single exposure	: Not classified (No data available.)
Specific target organ toxicity – 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)
Aspiration hazard	: Not classified (No data available.)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
 Aquatic acute : Not classified
 Aquatic chronic : 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 [mg/l] 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. 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
14.1. UN number				
UN 1479	UN 1479	UN 1479	UN 1479	UN 1479
14.2. UN proper shipping name				
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)
Transport document description				
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
14.3. Transport hazard class(es)				
5.1	5.1	5.1	5.1	5.1
				
14.4. Packing group				
I	I	I	I	I

14.5. Environmental hazards				
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 provision (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	: 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 provision (IATA)	: A3, A803
ERG code (IATA)	: 5L

Inland waterway transport

Classification code (ADN)	: O2
Special provision (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 provision (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

US Regulations

National Inventory TSCA

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372

SECTION 16: Other information

Other information : Hazardous Materials Information Label (HMIS)
 Health : 1
 Flammability : 0
 Physical Hazard : 1
 NFPA Hazard Ratings
 Health : 1 Flammability : 0
 Reactivity : 1
 Unique Hazard : -
 Safety Data Sheet according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (2012).

Full text of H- 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	Oxidizing solids Category 1
Skin Sens. 1	Skin sensitization, Category 1
H271	May cause fire or explosion; strong oxidizer
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H412	Harmful to aquatic life with long lasting effects

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