

Jarocol NHEAP

Safety Data Sheet

According to 29 CFR 1910.1200

SDS Ref.: 680

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 NHEAP
EC-No. : 265-648-0
CAS-No. : 65235-31-6
Name : 4-Hydroxyethylamino-3-nitrophenol
Product code : 680

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@jr.si.com - www.jr.si.com

Other

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

1.4. Emergency telephone number

Emergency number : +44 (0)7867538850

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Skin corrosion/irritation Category 2 H315
Skin sensitization, 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

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

2.2. Label elements

Labeling

Hazard pictograms :



GHS07

GHS09

Signal word :

Warning

Hazard statements :

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements :

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P273 - Avoid release to the environment.
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.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.

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 NHEAP
 CAS-No. : 65235-31-6
 EC-No. : 265-648-0

Name	Product identifier	%	Classification
4-Hydroxyethylamino-3-nitrophenol	(CAS-No.) 65235-31-6 (EC-No.) 265-648-0	100	Skin Irrit. 2, H315 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 : Irritation. 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

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/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

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 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. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.
 Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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.

Jarocol NHEAP

Safety Data Sheet

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.
Color	: dark red. brown.
Odor	: Odorless.
Odor threshold	: No data available
pH	: 6 (1g/L water)
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 143 - 144 °C
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: 160 °C
Decomposition temperature	: 198 °C
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 450 kg/m ³ (bulk)
Solubility	: Water: 1 g/l
Log Pow	: 0.6
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive. EU A.14.
Oxidizing properties	: Non oxidizing.
Explosion limits	: Not applicable

9.2. Other information

Minimum ignition energy : 100-300 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.

Jarocol NHEAP

Safety Data Sheet

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 (No data available.)

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

Jarocol NHEAP (65235-31-6)

LD50 oral rat : > 3000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

pH: 6 (1g/L water)

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

pH: 6 (1g/L water)

Respiratory or skin sensitization : May cause an allergic skin reaction.

Additional information : (OECD 429 method)

Germ cell mutagenicity : Not classified (In-vivo studies indicated no genotoxic activity. (OECD 474 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) : 1000 mg/kg bw/day; NOAEL (developmental toxicity) : 100 mg/kg bw/day (OECD 414)

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 : 200 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.

Aquatic acute : Not classified

Aquatic chronic : Toxic to aquatic life with long lasting effects.

Jarocol NHEAP (65235-31-6)

LC50 fish 1 : 130 mg/l (OECD 203) (Conclusion by analogy)

EC50 Daphnia 1 : 2.8 mg/l (OECD 202) (Conclusion by analogy)

12.2. Persistence and degradability**Jarocol NHEAP (65235-31-6)**

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

12.3. Bioaccumulative potential**Jarocol NHEAP (65235-31-6)**

Log Pow : 0.6

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

: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Empty containers should be taken for local recycling, recovery or waste disposal. Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

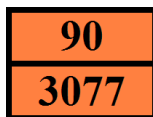
In accordance with ADR / RID / IMDG / IATA / ADN

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

Jarocol NHEAP

Safety Data Sheet

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13
Hazard identification number (Kemler No.) : 90
Orange plates :



Tunnel restriction code (ADR) : -
EAC : 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 provision (IATA) : A97, A158, A179, A197
ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M7
Special provision (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 provision (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

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 : 0
NFPA Hazard Ratings
Health : 1 Flammability : 0
Reactivity : 0
Unique Hazard : -
Safety Data Sheet according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (2012).

Full text of H- statements:

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H411	Toxic 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