

JAROCOL DPE (2HCI)

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

JAROCOL DPE (2HCI)

CAS No.: 66422-95-5

EC No.: 266-357-1

Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Hair-colouring component

Details of the supplier of the safety data sheet

Vivimed Labs Europe Ltd

P.O. BOX B3

Leeds Road

HUDDERSFIELD HD1 6BU UNITED KINGDOM

++44 (0) 1484 320500

Emergency telephone number: (001) 352 323 3500

Responsible for the safety data sheet: sds@gbk-ingelheim.de

SECTION 2: Hazards identification**Classification of the substance or mixture**

Indications of danger : Harmful, Irritant

R-phrases:

Harmful if swallowed.

Irritating to eyes.

May cause sensitization by skin contact.

GHS classification

Hazard categories:

Acute toxicity: Acute Tox. 4

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory/skin sensitization: Skin Sens. 1

Hazard Statements:

Harmful if swallowed.

Causes serious eye irritation.

May cause an allergic skin reaction.

Label elements

Signal word:

Warning

Pictograms:

GHS07

**Hazard statements**

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P363 Wash contaminated clothing before reuse.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313 Get medical advice/attention.

Additional advice on labelling

According to EC-regulations the product is to be labelled as follows:

SECTION 3: Composition/information on ingredients**Substances****Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
266-357-1	2,4-Diaminophenoxyethanol dihydrochloride	> 98 %
66422-95-5	Xn, Xi R22-36-43	
	Acute Tox. 4, Eye Irrit. 2, Skin Sens. 1; H302 H319 H317	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures**Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
In the event of symptoms refer for medical treatment.

After contact with skin

Remove immediately adhering matter.
Wash off immediately with soap and plenty of water.
In case of irritation consult a physician.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.

After ingestion

Rinse out mouth and give plenty of water to drink.
Never give anything by mouth to an unconscious person.
Summon a doctor immediately.
Induce vomiting only upon the advice of a physician.

Most important symptoms and effects, both acute and delayed

Harmful if swallowed.
Irritating to eyes.
May cause sensitization by skin contact.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

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Extinguishing media which must not be used for safety reasons

Full water jet.

Special hazards arising from the substance or mixture

Fire may produce:

Hydrogen chloride gas., Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Dust may form explosive mixture in air.

Minimum ignition energy: >1000 mJ

Advice for firefighters

Use breathing apparatus with independent air supply.

Protective suit.

Additional information

Cool containers at risk with water spray jet.

Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Respirator must be worn if exposed to dust.

Ensure adequate ventilation.

Use personal protective clothing.

Remove all sources of ignition.

Dust may form explosive mixture in air.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.

Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal look up chapter 13.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

Keep container tightly closed.

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Do not breathe dust.

Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Dust may form explosive mixture in air.

Avoid formation of dust.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep containers tightly closed in a dry, well-ventilated place.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Specific end use(s)

Hair-colouring component

SECTION 8: Exposure controls/personal protection**Control parameters****Additional advice on limit values**

Obey TLV for common dust, if applicable.

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Exposure controls**Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Do not wear contact lenses when handling the product.

Respiratory protection

Respirator must be worn if exposed to dust.

Hand protection

Protective gloves resistant to chemicals made of nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Profi 729> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Eye wash bottle with pure water.

Tightly fitting goggles.

Skin protection

Long sleeved clothing.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	Powder
Colour:	Pale grey to pale pink
Odour:	Odourless

Test method

pH-Value: n.d.

Changes in the physical state

Melting point: n.d.

Boiling point: n.d.

Flash point: n.a.

Flammability

Solid: n.d.

Explosive properties

The product is not explosive

Lower explosion limits: n.d.

Upper explosion limits: n.d.

Ignition temperature: n.d.

Auto-ignition temperature

Solid: n.d.

Oxidizing properties

Non oxidizing.

Vapour pressure: n.d.

Density: n.d.

Water solubility: 425 g/L EU-A. 6
(at 25 °C)

Partition coefficient: Log Pow: 0,99 (EU-A. 8)

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Viscosity / dynamic:

n.a.

Vapour density:

n.d.

Other information

Minimum ignition energy: > 1000 mJ

SECTION 10: Stability and reactivity**Conditions to avoid**

To avoid thermal decomposition, do not overheat.

Avoid development of dust.

Incompatible materials

No materials to be especially mentioned.

Hazardous decomposition productsHydrogen chloride gas, Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).**Further information**

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**LD₅₀/dermal: No data available.LC₅₀/inhalation: No data available.

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	h
66422-95-5	2,4-Diaminophenoxyethanol dihydrochloride				
	Acute oral toxicity	LD ₅₀	~ 1000 mg/kg	Rat (OECD 401)	

Irritation and corrosivity

Skin irritation: Not classified. (OECD 404)

Eye irritation: Irritant (OECD 405)

Sensitizing effects

Skin sensitization Sensitising Local lymph node assay (LLNA) (OECD 429)

Severe effects after repeated or prolonged exposure

STOT - single exposure: Irritating to respiratory system.

STOT - repeated exposure: NOAEL 20 mg/kg/d (OECD 408)

aspiration hazard: No data available.

Carcinogenic/mutagenic/toxic effects for reproduction

Carcinogenicity: No data available.

Mutagenicity: In-vivo studies indicated no genotoxic activity (OECD 474)

Reproductive toxicity: No data available.

Empirical data on effects on humans

Harmful if swallowed.

Product dust may be irritating to eyes, skin and respiratory system.

Inhalation of major quantities of dusts may cause cough and difficulties in breathing.

SECTION 12: Ecological information**Toxicity**

No data available.

Persistence and degradability

No data available.

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Bioaccumulative potential

Product has a low bioaccumulating potential. (Log Pow: 0,99)

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Further information

Do not flush into surface water or sanitary sewer system.

Low hazard to waters.

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

Waste disposal number of waste from residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Contaminated packaging

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**Other applicable information**

No hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

1999/13/EC (VOC): 0 %

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information**Full text of R-phrases referred to under sections 2 and 3**

22 Harmful if swallowed.

36 Irritating to eyes.

43 May cause sensitization by skin contact.

Full text of H-Statements referred to under sections 2 and 3

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

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The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)