

Safety Data Sheet HighPerformance Color

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identification

Name: HighPerformance Color

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Intended use: dye paste.

1.3. details of the supplier of the safety data sheet:

edelundstein GmbH
Einsteinstraße 12
D-33104 Paderborn
www.edel-und-stein.com
info@edel-und-stein.com

1.4. emergency telephone number:

05254/9330731

2. IDENTIFICATION OF HAZARDS

2.1 Classification of the substance or mixture:

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

Physical and chemical hazards: Skin Sens. 1 - Category 1

2.2 Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Signal words: danger

Symbols:



Warning Hazard statements:

H317 May cause an allergic skin reaction

Safety instructions:

P272 Contaminated work clothing should not be removed from the work area. be let out.

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

P333+P313 If skin irritation or rash occurs: Seek medical advice. seek medical advice/medical assistance.

P362+P364 Remove contaminated clothing and wash it before of reuse.

P501 Dispose of contents/container in accordance with applicable regulations.

Contains:

mixture of : 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1)

2-ottil-2H-isotiazol-3-one: May cause an allergic reaction.

1,2-benzisotiazol-3(2H)-one: May cause an allergic reaction.

2.3 Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. substances.

Not applicable.

3.2 Mixtures.

Contains:

Name

(2-METOSSIMETILETOSSI) – PROPANOLO 800 ppm

REACH No. 01-2119450011-60

CAS. 34590-94-8

EC. 252-104-2

Substance with a workplace exposure limit set at Union level.

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP)

2-OTTIL-2H-ISOTIAZOL-3-ONE 200 ppm

INDEX. 613-112-00-5 3.2/1B Skin Corr. 1B H314

3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

4.1/A1 Aquatic Acute 1 H400 M=10.

4.1/C1 Aquatic Chronic 1 H410 M=1.

3.1/3/Dermal Acute Tox. 3 H311

3.1/3/Inhal Acute Tox. 3 H331

3.1/4/Oral Acute Tox. 4 H302

CAS. 26530-20-1

EC. 247-761-7

BRONOPOL (DCI); 2-BROMO-2-NITROPROPAN-1,3-DIOLO 190 ppm

REACH No. 01-2119980938-15 3.8/3 STOT SE 3 H335

INDEX. 603-085-00-8 4.1/C2 Aquatic Chronic 2 H411 M=10.

3.2/2 Skin Irrit. 2 H315

3.3/1 Eye Dam. 1 H318

4.1/A1 Aquatic Acute 1 H400 M=10.

3.1/4/Oral Acute Tox. 4 H302

3.1/4/Dermal Acute Tox. 4 H312

CAS. 52-51-7

EC. 200-143-0

1,2 – BENZISOTIAZOL-3 (2H)- ONE 83 ppm

INDEX. 613-088-00-6 3.2/2 Skin Irrit. 2 H315

4.1/C2 Aquatic Chronic 2 H411

3.3/1 Eye Dam. 1 H318

3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

4.1/A1 Aquatic Acute 1 H400

3.1/4/Oral Acute Tox. 4 H302

CAS. 2634-33-5

EC. 220-120-9

Mixture of: 5-COLORO-2-METIL-2H-ISOTIAZOL-3-ONE [EC no. 247-500-7]; 2-METIL-2H-ISOTIAZOL-3-ONE [EC no. 220-239-6] (3:1) 15 ppm

INDEX. 613-167-00-5 3.2/1B Skin Corr. 1B H314

3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

4.1/A1 Aquatic Acute 1 H400 M=10.

4.1/C1 Aquatic Chronic 1 H410 M=1.

3.1/3/Oral Acute Tox. 3 H301

3.1/3/Dermal Acute Tox. 3 H311

3.1/3/Inhal Acute Tox. 3 H331

CAS. 55965-84-9

The full wording of hazard (H) phrases is given in section 16 of the sheet.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3. indication of any immediate medical treatment and special care that may be required:

In case of accident or if you feel unwell, seek medical advice immediately (show instructions for use or safety data sheet if possible).

Treatment: None

5. FIREFIGHTING MEASURES

5.1 Fire extinguishing agents:

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2 Special hazards arising from the substance or mixture:

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products

5.3 Note for firefighters:

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

6. MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

6.1 Personal precautions, protective equipment and emergency procedures:

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Precautions for the environment:

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning:

Wash with plenty of water.

6.4 Reference to other sections:

See also sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. conditions for safe storage, including any incompatibilities:

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s):

Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

8.1 Control parameters:

Information not available

8.2 Exposure controls and monitoring:

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards. Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374). The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

Not necessary

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. information on basic physical and chemical properties:

Appearance	liquid.
Colour	Not available.

Odour	characteristic.
Odour threshold.	Not available.
pH.	8.5.
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	> 100 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	1950 g/cm ³ 20°C
Solubility	soluble.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available

9.2 Other information

Molecular weight:	0
VOC (Directive 2010/75/EC):	0
VOC (volatile carbon):	0

10. STABILITY AND REACTIVITY

10.1 Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability.

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions.

None

10.4 Conditions to avoid.

The product is stable in normal conditions of use and storage.

10.5 Incompatible materials.

None in particular

10.6 Hazardous decomposition products.

None

11. TOXICOLOGICAL INFORMATION

Toxicological information concerning the mixture: N.A.

Toxicological information on the main substances present in the mixture:

(2-methoxymethylethoxy) propanol - CAS: 34590-94-8

Acute toxicity: Test:

LD50 (Oral) > 5000 mg / kg Rat

Unless otherwise specified, the data required by Regulation (EU) 2015/830 below is to be understood as N.A. .:

- acute toxicity;
- corrosion / skin irritation;
- serious eye / serious eye irritation;
- respiratory or skin sensitization;
- mutagenicity of germ cells;
- carcinogenicity; toxicity for reproduction;
- target organ toxicity (STOT) - single exposure;
- target organ toxicity (STOT) - repeated exposure;
- Danger in the event of suction.

12. ECOLOGICAL INFORMATION

Use in accordance with good working practices, avoiding dispersing the product in the environment.

(2-methoxymethylethoxy) propanol - CAS: 34590-94-8

- Acute aquatic toxicity:

Endpoint: LC50 - Species: Fish > 10000 mg / l - Duration h: 96

bronopol (DCI); 2-bromo-2-nitropropane-1,3-diol CAS: 52-51-7

- Acute aquatic toxicity:

Endpoints: EC50 - Species: Dafnie = 1.4 mg / l - Duration h: 48

Endpoints: LC50 - Species: Fish = 35.7 mg / l - Duration h: 96

Endpoints: EC50 - Species: Algae = 2.8 mg / l - Duration h: 72

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [N. CE n. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC

No. 220-239-6] (3: 1) - CAS: 55965-84-9

- Acute aquatic toxicity:

Endpoints: EC50 - Species: Algae = 0.043 mg / l - Duration h: 120

Endpoints: EC50 - Species: Dafnie = 0.12 mg / l - Duration h: 48

Endpoints: LC50 - Species: Fish = 0,32 mg / l - Duration h: 96

12.2 Persistence and degradability:

None

12.3 Bioaccumulative potential:

N.A.

12.4 Mobility in soil:

N.A.

12.5 Results of PBT and vPvB assessment:

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6 Other adverse effects:

Information not available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Reuse, when possible.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

14. TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture:

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

Point. 3

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2 Chemical safety assessment:

No chemical safety assessment has been processed for the mixture and the substances it contains.

16. OTHER INFORMATION

Text of the hazard statements (H) referred to in sections 2-3 of the card:

- H314 - Causes serious skin burns and serious eye damage.
- H317 - May cause an allergic skin reaction.
- H400 - Very toxic to aquatic organisms.
- H410 - Very toxic to aquatic organisms with long lasting effects.
- H311 - Toxic if in contact with skin.
- H331 - Toxic if inhaled.
- H302 - Harmful if swallowed.
- H335 - May irritate the respiratory tract.
- H411 - Toxic to aquatic life with long lasting effects.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H312 - Harmful if in contact with skin.
- H301 - Toxic if ingested.

LEGEND:

ADR: European Agreement concerning the carriage of Dangerous goods by Road

CAS NUMBER: Chemical Abstract Service Number

CE50: Effective concentration (required to induce a 50% effect)

CE NUMBER: Identifier in ESIS (European archive of existing substances)

CLP: EC Regulation 1272/2008

DNEL: Derived No Effect Level

EmS: Emergency Schedule

GHS: Globally Harmonized System of classification and labeling of chemicals

IATA DGR: International Air Transport Association Dangerous Goods Regulation

IC50: Immobilization Concentration 50%

IMDG: International Maritime Code for dangerous goods

IMO: International Maritime Organization

INDEX NUMBER: Identifier in Annex VI of CLP

LC50: Lethal Concentration 50%

LD50: Lethal dose 50%

OEL: Occupational Exposure Level
 PBT: Persistent bioaccumulative and toxic as REACH Regulation
 PEC: Predicted environmental Concentration
 PEL: Predicted exposure level
 PNEC: Predicted no effect concentration
 REACH: EC Regulation 1907/2006
 RID: Regulation concerning the international transport of dangerous goods by train
 TLV: Threshold Limit Value
 TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
 TWA STEL: Short-term exposure limit
 TWA: Time-weighted average exposure limit
 VOC: Volatile organic Compounds
 vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
 WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

Regulation (EU) 1907/2006 (REACH) of the European Parliament
 Regulation (EU) 1272/2008 (CLP) of the European Parliament
 Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 Regulation (EU) 453/2010 of the European Parliament
 Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament

The Merck Index. - 10th Edition
 Handling Chemical Safety
 INRS - Fiche Toxicologique (toxicological sheet)
 Patty - Industrial Hygiene and Toxicology
 N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 ECHA website

Note: The information contained in this sheet is based on our knowledge at the time of the last version. The user must satisfy himself as to the suitability and completeness of the information in relation to the specific use of the product. Our company accepts no liability whatsoever for any suggested, improper, irresponsible, direct or indirect use of the product and recommends that those using our products satisfy themselves as to the reliability and completeness of the information in relation to the applications for which the product is intended. The information is the result of application knowledge and laboratory tests and is expressed as such. It does not constitute any

obligation on our part, including any rights of third parties arising from damages of various kinds. Our company guarantees a consistent quality of its products: any liability established is limited to the exclusive value of our product. Given the impossibility of controlling the way in which our products are used in the various sites, our company cannot accept any responsibility with regard to the application and execution capabilities of the works.