



# DISCHARGE PLUS BASE

## Material safety data sheet

Date of issue: 15/01/11 (rev 02 – 08/06/2017)

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### SECTION 1: Chemical product and company identification

1.1. Product name

**DISCHARGE PLUS BASE**

1.2. Product use description

Discharge paste for screen printing application

1.3. Company name

QUAGLIA S.r.l.

Via Papa Giovanni XXIII, 65 – 24052 Azzano San Paolo (BG) – ITALY

Phone +39 035 532040 Fax +39 035 531040

E-mail: [quaglia@quaglia.it](mailto:quaglia@quaglia.it)

1.4. Emergency contact

Phone +39 035 532040

### SECTION 2: Hazard identification

2.1. Classification

The product is classified as harmful to aquatic life with long lasting effects.

2.2. Label

EC Regulation 1272/2008		
Symbol	Hazard statements	P-phrases
- Aquatic Chronic 3	H412	P273

2.3. Other dangers

Under normal operating conditions, the product is not considered as dangerous to humans.

### SECTION 3: composition / information on ingredients

Ingredients	CAS number	max (%)	EC Regulation 1272/2008		TLV (ACGIH 2010) mg/m <sup>3</sup>
			Label	Hazard	
Hydrocarbons, C9, aromatics REACH No.: 01-2119455851-35	64742-95-6	5	 Flam. liq. 3 Asp. Tox. 1 STOT SE 3 Aquatic chronic 2	H226 H304 H335 H336 H411	-
2-butoxyethanol REACH No.: 01-2119475108-36	111-76-2	0,5	 Oral Acute Tox. 4* Dermal Acute Tox. 4* Inhal. Acute Tox. 4* Eye Irrit. 2 Skin Irrit. 2	H332 H312 H302 H319 H315	98 [TWA] A3
Naphtha (petroleum), hydrotreated heavy (benzene < 0,1%)	64742-48-9	0,25	 Asp. Tox. 1	H304	-

### SECTION 4: First aid measures

The product has no acute effects under normal conditions of use

SKIN CONTACT	Wash thoroughly with water.
EYES CONTACT	Wash thoroughly with water.
INHALATION	Remove from exposure and take place in a ventilated place. If you feel unwell seek medical advice.
INGESTION	No specific measures. Seek medical advice.

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### SECTION 5: Fire fighting measures

5.1 Extinguishing media	Suitable: dry chemical, carbon dioxide, water Unsuitable: none.
5.2 Special hazards from the substance or mixture	The products of combustion may contain carbon monoxide and other harmful gases. There are no risks of the formation of potentially explosive atmospheres.
5.3. Precaution for fire-fighters	Full protective clothing and appropriate protection for the respiratory tract, depending on exposure conditions (filters or respirator).

### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and procedures in case of emergency	For those not directly involved: no special precautions are necessary For those directly involved: recommended gloves and protective clothing
6.2. Environmental precautions	Prevent product from entering the drainage system or be released to the ground.
6.3. Methods and materials for cleaning up	In case of spillage, collect mechanically and by absorption with inert material. Dispose of waste according to current legislation on waste.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid exposure with the necessary collective and personal protection and the adoption of good industrial hygiene practices.

Handle in well ventilated work places.

Wash hands after handling.

Do not consume food and beverages during handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

Always identify the containers.

There are no known incompatibilities with other products or materials.

Keep container tightly closed.

Store between 5 - 35 ° C.

### SECTION 8: Exposure controls / personal protection

#### 8.1 Exposure guidelines

Based on available information, can be found in the literature (European legislation, ACGIH, NIOSH, OSHA), the following data

Ingredients	CAS number	TLV (ACGIH 2010) mg/m <sup>3</sup>
2-butoxyethanol	111-76-2	98 [TWA] A3

#### 8.2. Exposure controls

##### 8.2.1. Engineering controls

Handle in well ventilated work places.

##### 8.2.2. Personal protection

EYES PROTECTION	Use eye protection (EN 166)
SKIN PROTECTION	Avoid contact with skin. Adopt standard workwear.
HAND PROTECTION	Wear protective gloves.
RESPIRATORY PROTECTION	Not required.



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ENVIRONMENTAL EXPOSURE	Depending on the type of work performed, comply with mandatory requirements and standards of good practice. The diffusion in air of combustion products (see Section 5 and 10) and the dispersion of the material on soil and water (see Sections 12, 13) constitute potential risk to the environment
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### SECTION 9. Physical and chemical properties

a) Appearance:	viscous white paste
b) Smell:	slight
c) Odor Threshold:	-
d) pH:	8.5 – 9.5
e) Melting / freezing point:	0°C (water)
f) Boiling point:	100°C (water)
g) Viscosity (25°C)	30000 mPas
h) Solubility	water
i) Density (20°C)	1,05 – 1,15 g/cm <sup>3</sup>

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No known dangers

#### 10.2. Stability

Stable under normal conditions and in conditions of temperature and pressure expected during storage and handling.

#### 10.3. Hazardous reactions

None

#### 10.4. Conditions to avoid

Temperature < 5°C or >35°C. Direct sunlight.

#### 10.5. Incompatible products

None

#### 10.6. Hazardous combustion products

In case of fire, the products of combustion may contain carbon monoxide and other harmful gases.

### SECTION 11: Toxicological information

Acute oral toxicity	LD50 > 2000 mg/kg
Acute dermal toxicity	LD50 > 2000 mg/kg
Skin irritation	Possible for mechanical effect
Eyes irritation	Possible for mechanical effect
Skin sensitization	None
Chronic toxicity	None
Mutagenicity	not mutagenic
Carcinogenicity	Not carcinogenic

### SECTION 12. Ecological information

Follow good working practices. Avoid the dispersion into the environment

#### 12.1. Toxicity:

Halogenated organic components: absent

Residual free formaldehyde: absent

C.O.D. ∴ 710 gO<sub>2</sub>/l

B.O.D.5: 220 gO<sub>2</sub>/l

12.2. Persistence and degradability: no data available for the product or its components

12.3. Bioaccumulative potential: no data available for the product or its components.

12.4. Mobility in soil: no data available for the product or its components.



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### **SECTION 13: Disposal considerations**

Recover if possible.

Respect local and national regulations about disposal. Product residues and containers contaminated with the product may be classified and managed as hazardous waste. Do not dispose of into sewer.

### **SECTION 14: Transport information**

No dangerous good under transport regulations (ADR/IMDG/IATA)

14.1. UN Number: Not applicable

14.2. Shipping name: not applicable

14.3. Transport hazard class: not applicable

14.4. Packing group: not applicable

14.5. Environmental hazards: Not applicable

14.6. Special precautions for user: Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

### **SECTION 15: Regulatory information**

EC Regulation n. 1907/2006 (REACH)

VOC (volatile organic compounds) : <5 %

### **SECTION 16: Other information**

The information contained herein is based on our knowledge at the time of writing of this safety data sheet. They only refer to the product indicated and constitute no guarantee of particular quality. The user must verify the suitability and completeness of such information in relation to the specific use intended.

This material safety data sheet replaces any previous edition and revision.

For the preparation of this MSDS, in addition to existing mandatory regulations, have been consulted the websites of the following organizations and institutions:

- Istituto Superiore di Sanità ([www.iss.it/dbsp](http://www.iss.it/dbsp))
- Istituto Superiore per la Prevenzione E la Sicurezza negli ambienti di Lavoro ([www.ispesl.it](http://www.ispesl.it))
- [www.cdc.gov/niosh/](http://www.cdc.gov/niosh/)
- [www.osha.gov/](http://www.osha.gov/)
- [toxnet.nlm.nih.gov/](http://toxnet.nlm.nih.gov/)
- [echa.europa.eu](http://echa.europa.eu)

Provide adequate information and training of workers, in accordance with the mandatory dispositions.

Meaning of hazard statements contained in this MSDS (section 2):

- H412 Harmful to aquatic life with long-lasting effects.

Meaning of "P"-phrases contained in section 2 of this MSDS:

- P273 Avoid release to the environment.

Meaning of further hazard statements contained in this MSDS:

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long-lasting effects.