

**SECTION1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product code : B/W SVILUPPO FILM MONOBAGNO LT. 1 P.USO  
Trades code : BWMONODS303 - DX-ONE

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

Photographic Process

Sectors of use:

Professional use[SU22]

Product category:

Photochemicals

Process categories:

Mixing or blending in batch processes for formulation of preparations\* and articles (multistage and/or significant contact)[PROC5]

Uses advised against

Do not use for purposes other than those listed

**1.3. Details of the supplier of the safety data sheet**

BELLINI FOTO S.r.L.

Via J.F. Kennedy 9 PONTENUOVO DI TORGIANO - PERUGIA

Tel 075 985 174 Fax 075 985 288

Email:info@bellinifoto.it - Sito internet: www.bellinifoto.it

Email tecnico competente: filippo.abati@bellinifoto.it

Produced by

BELLINI FOTO S.r.L.

Via J.F. KENNEDY 9 06089 PONTENUOVO DI TORGIANO - PERUGIA - PG Tel. +39 075 985174

**1.4. Emergency telephone number**

Bellini Foto S.r.L. (PG) - Tel . 075 985 174 Disponibile solo durante le ore d'ufficio.

**SECTION2. Hazards identification****2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS05, GHS07, GHS08

Hazard Class and Category Code(s):

Skin Corr. 1A, Skin Sens. 1, Muta. 2, Carc. 2

Hazard statement Code(s):

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H341 - Suspected of causing genetic defects

H351 - Suspected of causing cancer

Corrosive product: causes severe skin burns and eye damage.

The product, if brought into contact with skin can cause skin sensitization.

The product is suspected of causing genetic defects

The product may pose a risk of carcinogenesis.

**2.2. Label elements**

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS05, GHS07, GHS08 - Danger

Hazard statement Code(s):

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H341 - Suspected of causing genetic defects

H351 - Suspected of causing cancer

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.

P264 - Thoroughly wash clothing after use.

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

Response

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P310 - Immediately call a doctor if symptoms persist

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

Disposal

P501 - Dispose of contents and container in accordance with the laws in force

Contains:

hydroquinone

### 2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII The use of this chemical agent involves the obligation of "risk assessment" by the employer in accordance with Dlgs. April 9, 2008 # 81. Workers exposed to this chemical agent should not be subjected to health surveillance if the results of the risk assessment show that, in relation to the type and quantity of hazardous chemical agent and that agent exposure frequency and mode, you just a "moderate risk" for the health and safety of workers and that the measures laid down in the decree are sufficient to reduce the risk.

RESTRICTED TO PROFESSIONAL USERS

## SECTION3. Composition/information on ingredients

### 3.1 Substances

Irrelevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

| Substance    | Concentration | Classification   | Index        | CAS      | EINECS    | REACH               |
|--------------|---------------|--|--------------|----------|-----------|---------------------|
| hydroquinone | > 1 <= 5%     | Acute Tox. 4, H302;<br>Skin Sens. 1, H317;<br>Eye Dam. 1, H318;<br>Muta. 2, H341; Carc.<br>2, H351; Aquatic<br>Acute 1, H400 Acute<br>toxicity M-factor = 10 | 604-005-00-4 | 123-31-9 | 204-617-8 | 1-21195240<br>16-51 |

## SECTION4. First aid measures

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**4.1. Description of first aid measures****Inhalation:**

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

**Direct contact with skin (of the pure product):**

Take contaminated clothing Immediately off.  
In case of contact with skin, wash immediately with water.  
Consult a physician immediately

**Direct contact with eyes (of the pure product):**

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately  
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

**Ingestion:**

Drink water with egg white; do not give bicarbonate.  
Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**

IF exposed or concerned: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Immediately call a doctor if symptoms persist

**SECTION5. Firefighting measures****5.1. Extinguishing media****Advised extinguishing agents:**

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

**Extinguishing means to avoid:**

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

**5.2. Special hazards arising from the substance or mixture**

No data available.

**5.3. Advice for firefighters**

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

**SECTION6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel:**

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

**6.1.2 For emergency responders:**

Eliminated all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

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**6.2. Environmental precautions**

Contain spill with earth or sand.  
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

**6.3. Methods and material for containment and cleaning up****6.3.1 For containment:**

Rapidly recover the product, wear a mask and protective clothing  
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.  
Prevent it from entering the sewer system.

**6.3.2 For cleaning up:**

After wiping up, wash with water the area and materials involved

**6.3.3 Other information:**

None in particular.

**6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

**SECTION 7. Handling and storage****7.1. Precautions for safe handling**

Avoid contact and inhalation of vapors  
Wear protective gloves protective clothing eye protection face protection.  
In residential areas do not use on large surfaces.  
At work do not eat or drink.  
Contaminated work clothing should not be allowed out of the workplace.  
See also paragraph 8 below.

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

Keep in original container closed tightly. Do not store in open or unlabeled containers.  
Keep containers upright and safe by avoiding the possibility of falls or collisions.  
Store in a cool place, away from sources of heat and direct exposure of sunlight.

**7.3. Specific end use(s)**

Professional use:  
Photographic and cinematographic treatment

**SECTION 8. Exposure controls/personal protection****8.1. Control parameters**

Related to contained substances:

hydroquinone:

TLV: 1 mg/m<sup>3</sup> come TWA A3 (cancerogeno riconosciuto per l'animale con rilevanza non nota per l'uomo); (ACGIH 2004).

MAK: assorbimento cutaneo (H); Classe di cancerogenicità: 2; Gruppo mutageno per le cellule germinali: 3A; (DFG 2004).

- Substance: hydroquinone

DNEL

Systemic effects Long term Workers inhalation = 7 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 128 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 1,74 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers dermal = 64 (mg/kg bw/day)

Local effects Long term Workers inhalation = 1

Local effects Long term Consumers inhalation = 0,5 (mg/m<sup>3</sup>)

**PNEC**

Sweet water = 0,000114 (mg/l)  
 sediment Sweet water = 0,00098 (mg/kg/sediment)  
 Sea water = 0,000114 (mg/l)  
 sediment Sea water = 0,000097 (mg/kg/sediment)  
 intermittent emissions = 0,00134 (mg/l)  
 STP = 0,000129 (mg/l)

**8.2. Exposure controls**


Appropriate engineering controls:

Professional use:

Not established

Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

For the selection of the most suitable gloves, see the hazard class belongs to the prepared (sect. 2), refer to the risk assessment carried out by you and, if necessary, also consult the manufacturer for selecting the most appropriate protective material. Avoid skin contact when handling the substance / preparation or a mixture by wearing protective gloves and protective clothing appropriate to the risk of 'operazione. Utilizzare gloves chemical resistant. In case of prolonged immersion or frequently repeated contact:

Material thickness Maturing time

Nitrile rubber > = 0.38 mm > 480 min

Neoprene > = 0.65 mm > 240 min

butyl rubber > = 0.36 mm > 480 min

Avoid natural rubber gloves

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Related to contained substances:

hydroquinone:

Do not let this chemical contaminates the environment.

**SECTION 9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

| Physical and chemical properties             | Value               | Determination method |
|--|---------------------|----------------------|
| Appearance                                   | Liquid              |                      |
| Odour  | undefined           |                      |
| Odour threshold                              | Irrilevant          |                      |
| pH   | 12.45 ± 0.05 a 20°C | pH METRO             |
| Melting point/freezing point                 | Irrilevant          |                      |
| Initial boiling point and boiling range      | Irrilevant          |                      |
| Flash point                                  | non flammable       | ASTM D92             |
| Evaporation rate                             | Irrilevant          |                      |
| Flammability (solid, gas)                    | Irrilevant          |                      |
| Upper/lower flammability or explosive limits | Irrilevant          |                      |

| Physical and chemical properties       | Value                 | Determination method |
|--|-----------------------|----------------------|
| Vapour pressure                        | Irrilevant            |                      |
| Vapour density                         | Irrilevant            |                      |
| Relative density                       | 1.100 ± 0.010 a 20 °C |                      |
| Solubility                             | in water              |                      |
| Water solubility                       | Complete              |                      |
| Partition coefficient: n-octanol/water | Irrilevant            |                      |
| Auto-ignition temperature              | Irrilevant            |                      |
| Decomposition temperature              | Irrilevant            |                      |
| Viscosity                              | Not determined        |                      |
| Explosive properties                   | not explosive         |                      |
| Oxidising properties                   | non-oxidizing         |                      |

## 9.2. Other information

No data available.

## SECTION10. Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

In contact with strong acids can release sulphur dioxide.  
Contacts with strongly alkaline substances can release ammonia.

### 10.4. Conditions to avoid

Contact with acids liberates toxic gas

### 10.5. Incompatible materials

Acids, Anhydrides, acid hydrochloric acids and strong oxidizers

### 10.6. Hazardous decomposition products

Carbon oxides, nitrogen oxides (NOx), sulphur oxides

## SECTION11. Toxicological information

### 11.1. Information on toxicological effects

ATE(mix) oral = 34.090,9 mg/kg  
ATE(mix) dermal = ∞

ATE(mix) inhal =  $\infty$

(a) acute toxicity: based on available data, the classification criteria are not met.

(b) skin corrosion/irritation Corrosive product: causes severe skin burns and eye damage.

(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage.

hydroquinone: Strong irritant with risk of serious damage to eyes.

(d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.

hydroquinone: May cause sensitization by skin contact.

(e) germ cell mutagenicity: The product is suspected of causing genetic defects

hydroquinone: Muta. 2,

(f) carcinogenicity: The product may pose a risk of carcinogenesis.

hydroquinone: CARC. 2

(g) reproductive toxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

hydroquinone:

LD50 (rat) Oral (mg/kg body weight) = 375

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to contained substances:

hydroquinone:

LC-50 (fish, 96 h): 0638 mg/l

EC-50 (daphnide, 48 h): 0134 mg/l

Aquatic invertebrates: NOEC (daphnide, 21 d): 0.0057 mg/l

Toxicity to aquatic plants EC-50 (seaweed, 72 h): 0.33 mg/l

NOEC: (seaweed, 72 h): 0.019 mg/l

Acute toxicity M-factor = 10

Use according to good working practices to avoid pollution into the environment.

### 12.2. Persistence and degradability

Related to contained substances:

hydroquinone:

There are no more information.

### 12.3. Bioaccumulative potential

Related to contained substances:

hydroquinone:

No data available.

### 12.4. Mobility in soil

Related to contained substances:

hydroquinone:

No data available. Ecotoxicological effects:

Comments: very toxic to fish.

Further guidance on environmental matters:

Do not enter or ground water, water course or sewage system.

Toxic to fish and plankton.

Very toxic to aquatic organisms

Pericolosità for class 3 waters (D) very dangerous (assessment):

Danger to drinking water if even extremely small quantities leak into soil



**12.5. Results of PBT and vPvB assessment**

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

**12.6. Other adverse effects**

No adverse effects

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Ready to use solution: material intended to waste classified as hazardous under Directive 91/689/EC. The European Waste Code 09 01 01 -based developer and activator solutions in water. Dispose of according to local legislation or guidelines relating to the waste category. Make sure that the companies that withdraw the refusal to have the necessary permissions.

Product containers: European Waste Code 15 01 02 plastic packaging.

Packaging intended to refuse, contaminated by hazardous products must be delivered to an authorised collection disposer of hazardous waste. In this case, the European Waste Code 15 01 10, packaging containing residues of or contaminated by hazardous substances such substances.

**SECTION 14. Transport information****14.1. UN number**

ADR/RID/IMDG/ICAO-IATA: 3082

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg

**14.2. UN proper shipping name**

ADR/RID/IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hydroquinone)

ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hydroquinone)

**14.3. Transport hazard class(es)**

ADR/RID/IMDG/ICAO-IATA: Class : 9

ADR/RID/IMDG/ICAO-IATA: Label : 9+Ambiente

ADR: Tunnel restriction code : E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-A, S-F

**14.4. Packing group**

ADR/RID/IMDG/ICAO-IATA: III

**14.5. Environmental hazards**

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Yes

**14.6. Special precautions for user**

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of the agreement A.D.R. applicable national provisions.

The transport must be carried out in the original packaging and in packages that are made from materials resistant to the content and not likely to generate with this dangerous reactions. Employees to the loading and unloading of dangerous goods have received proper training on the risks presented by prepared and on possible procedures to be



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In conformity to Regulation (EU) 2015/830

taken in the event of emergency situations

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

It is not intended to carry bulk

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Legislative Decree. 02/03/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14/03/2003 n. 65 (Classification, packaging and labeling of dangerous substances). Legislative Decree. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. 26/02/2004 Work (Exposure Limits Professional); D.M. 03/04/2007 (Implementation of Directive n. 2006/8 / EC). Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), Regulation (EC) 790 / 2009.D.Lgs. September 21, 2005 n. 238 (Seveso Ter).

**15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

**SECTION 16. Other information****16.1. Other information**

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H341 = Suspected of causing genetic defects

H351 = Suspected of causing cancer

H400 = Very toxic to aquatic life.

Classification based on data of all mixture components

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

Regolamento 529/2012 and subsequent updates

This data sheet cancels and replaces any previous edition.