

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code : B/W SVILUPPO FILM MONOBAGNO Parte A
Trades code : BWDMONOFA

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

Photographic Process
Professional use[SU22]
Uses advised against
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

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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

- P201 - Obtain special instructions before use.
- P260 - Do not breathe dust, fume, gas, mist, vapours, spray.
- 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.
- P363 - Wash contaminated clothing before reuse.

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 the provisions of Legislative Decree n. 81 April 9, 2008. Workers exposed to this chemical agent should not be subject to health surveillance if the results of the risk assessment show that, in relation to the type and quantity of hazardous chemical agent and mode and frequency of exposure to the agent, you only 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

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

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; Skin Sens. 1, H317; Eye Dam. 1, H318; Muta. 2, H341; Carc. 2, H351; Aquatic Acute 1, H400 Acute toxicity M-factor = 10 Chronic toxicity M-factor = 10	604-005-00-4	123-31-9	204-617-8	
1-phenyl-3-pyrazolidone	> 0,1 <= 1%	Acute Tox. 4, H302; Aquatic Chronic 2, H411	606-022-00-2	92-43-3	202-155-1	

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
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SECTION 4. First aid measures

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

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO₂, 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

SECTION 6. 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:

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

Provision of sufficient ventilation.

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

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

In residential areas do not use on large surfaces.

At work do not eat or drink.

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: 2 mg/m³ 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).

1-phenyl-3-pyrazolidone:

Does not contain substances with occupational exposure limit.

8.2. Exposure controls



Appropriate engineering controls:

Professional use:

Not established

Individual protection measures:

(a) Eye / face protection

Not needed for normal use.

(b) Skin protection

(i) Hand protection

appropriate protection for the risk of the operation. Use chemical resistant gloves. In case of prolonged or repeated contact dive:

Material Thickness aging 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

Use adequate protective respiratory equipment (EN 141)

(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	irrelevant	
pH	12.30 ± 0.05 a 20°C	pH METRO
Melting point/freezing point	irrelevant	
Initial boiling point and boiling range	irrelevant	
Flash point	non flammable	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	irrelevant	
Upper/lower flammability or explosive limits	irrelevant	
Vapour pressure	irrelevant	
Vapour density	irrelevant	
Relative density	1.110 ± 0.010 a 20°C	
Solubility	in water	
Water solubility	Complete	
Partition coefficient: n-octanol/water	irrelevant	
Auto-ignition temperature	irrelevant	
Decomposition temperature	irrelevant	
Viscosity	not determined	
Explosive properties	not explosive	

Physical and chemical properties	Value	Determination method
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

There is no dangerous polymerization.

10.4. Conditions to avoid

Contact with acids liberates toxic gas

10.5. Incompatible materials

Acids, Anhydrides and hydrochloric Acids, strong oxidizers

10.6. Hazardous decomposition products

Oxides of carbon, oxides of nitrogen (NO_x), sulphur oxides

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 16.000,0 mg/kg

ATE(mix) dermal = 0,0 mg/kg

ATE(mix) inhal = 0,0 mg/l/4 h

- (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.
- (d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.
- (e) germ cell mutagenicity: The product is suspected of causing genetic defects
- (f) carcinogenicity: The product may pose a risk of carcinogenesis.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: 1-phenyl-3-pyrazolidone: The substance is not classified as an intoxicant, target organ for single exposure.
- (i) specific target organ toxicity (STOT) repeated exposure: 1-phenyl-3-pyrazolidone: The substance is not classified as an intoxicant, target organ for repeated exposure.

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

Related to contained substances:

hydroquinone:

CAS 123-31-9

Acute toxic data:

Dermal absorption rate: 1.1 micrograms (s)/2 cm/hour

Irritating to the skin: light

Skin sensitization (Guinea-India): positive

Irritating to eyes: moderate

ROUTES of EXPOSURE: the substance can be absorbed into the body by inhalation, through the skin and by ingestion.
INHALATION RISK: A dangerous air contamination will not be reached or the sar only very slowly by evaporation of the substance at 20 C.

Effects of short-term exposure: the substance is severely irritating to eyes the substance is irritating to the skin and the respiratory tract effects of REPEATED EXPOSURE or long-term repeated or prolonged Contact with skin may cause dermatitis. Repeated or prolonged contact may cause skin sensitization. The substance may have effects on the eyes and skin, causing discoloration of the conjunctiva and cornea and skin depigmentation. It is possible that this substance is carcinogenic to humans.

N O T E depending on the degree of exposure, periodic medical examinations are indicated. The smell a warning inadequate even in the presence of toxic concentrations.

LD50 (rat) Oral (mg/kg body weight) = 400

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 1000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 150

1-phenyl-3-pyrazolidone:

You do not have any toxic symptom information.

LD50 (rat) Oral (mg/kg body weight) = 200

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

hydroquinone:

The substance is very toxic to aquatic organisms.

Daphnia EC 50/24 hours = 0.09 mg/l

Acute toxicity M-factor = 10

Chronic toxicity M-factor = 10

1-phenyl-3-pyrazolidone:

The environmentally hazardous product for very toxic to aquatic life following acute exposure.

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

12.2. Persistence and degradability

Related to contained substances:

hydroquinone:

Biodegradable.

1-phenyl-3-pyrazolidone:

No information available.

12.3. Bioaccumulative potential

Related to contained substances:

hydroquinone:

Not bioaccumulative.

1-phenyl-3-pyrazolidone:

No information available.

12.4. Mobility in soil

Related to contained substances:

hydroquinone:

Not available

1-phenyl-3-pyrazolidone:

No information available.

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 01 09 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

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 shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-phenyl-3-pyrazolidone)

14.3. Transport hazard class(es)

Class : 9

Label : 9

Tunnel restriction code : E

Limited quantities : 5 L

EmS : F-A, S-F

14.4. Packing group

III

14.5. Environmental hazards

Product is not environmentally hazardous

Marine polluting agent : Not

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 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.

H411 = Toxic to aquatic life with long lasting effects.

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.