

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

Product code : B/W SVILUPPO PIROCATECHINA PARTE A- NUCLEOL BF 200  
Trades code : B/W PIROBEL A

**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**

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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 Sens. 1B, Eye Dam. 1, Muta. 2

Hazard statement Code(s):

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H341 - Suspected of causing genetic defects

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

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

The product is suspected of causing genetic defects

**2.2. Label elements**

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

Pictogram, Signal Word Code(s):

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GHS05, GHS07, GHS08 - Danger  
Hazard statement Code(s):  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H341 - Suspected of causing genetic defects  
Supplemental Hazard statement Code(s):  
not applicable  
Precautionary statements:



Prevention  
P201 - Obtain special instructions before use.  
P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.  
P280 - Wear protective gloves protective clothing eye protection face protection.

Response  
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  
P363 - Wash contaminated clothing before reuse.

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

Contains:  
1,2-dihydroxybenzene

### 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

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
1,2-dihydroxybenzene	>= 5 < 10%	Acute Tox. 3, H301; Acute Tox. 3, H311; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; Acute Tox. 4, H332; Muta. 2, H341	604-016-00-4	120-80-9	204-427-5	NR

## SECTION4. 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):.

Wash thoroughly with soap and running water.

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:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

#### **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:

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 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:

1,2-dihydroxybenzene:

TLV: 5 ppm as TWA (skin) A3 (carcinogen recognized for the animal with unknown relevance to humans); (ACGIH 2004).

- Substance: 1,2-dihydroxybenzene

DNEL

Systemic effects Long term Workers dermal = 22,5 (mg/kg bw/day)

Systemic effects Short term Workers inhalation = 85 (mg/m<sup>3</sup>)

Systemic effects Short term Workers dermal = 2,5 (mg/kg bw/day)

Local effects Long term Workers inhalation = 14

**8.2. Exposure controls**

Appropriate engineering controls:

Professional use:

Not established

Individual protection measures:

(a) Eye / face protection



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

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(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:

1,2-dihydroxybenzene:

Do not let this chemical agent contaminate the environment.

## SECTION9. 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	undefined	
pH	7,10 ± 0,05 (27°C)	pH METRO
Melting point/freezing point	Irrilevant	
Initial boiling point and boiling range	Not determined	
Flash point	non flammable	ASTM D92
Evaporation rate	Not determined	
Flammability (solid, gas)	Irrilevant	
Upper/lower flammability or explosive limits	undefined	
Vapour pressure	Not determined	
Vapour density	Not determined	
Relative density	1.219 ± 0,01 g/cm3	
Solubility	in water	
Water solubility	Complete	
Partition coefficient: n-octanol/water	Not determined	
Auto-ignition temperature	Not determined	
Decomposition temperature	Not determined	
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**

Related to contained substances:

1,2-dihydroxybenzene:

No dangerous reactions known.

**10.2. Chemical stability**

No hazardous reaction when handled and stored according to provisions.

**10.3. Possibility of hazardous reactions**

There are no hazardous reactions

**10.4. Conditions to avoid**

Related to contained substances:

1,2-dihydroxybenzene:

There are no more information

**10.5. Incompatible materials**

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.

It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

**10.6. Hazardous decomposition products**

Does not decompose when used for intended uses.

**SECTION 11. Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

ATE(mix) oral = 4.362,4 mg/kg

ATE(mix) dermal = 14.035,1 mg/kg

ATE(mix) inhal = 193,0 mg/l/4 h

(a) acute toxicity: 1,2-dihydroxybenzene: Harmful if swallowed or in contact with skin.

(b) skin corrosion/irritation: 1,2-dihydroxybenzene: Causes skin irritation.

(c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

1,2-dihydroxybenzene: Causes serious eye irritation.

1,2-dihydroxybenzene: Causes serious eye irritation.

(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: based on available data, the classification criteria are not met.

(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: 1,2-dihydroxybenzene: May be harmful if inhaled

Related to contained substances:

1,2-dihydroxybenzene:

EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol, through the skin and by ingestion.

Inhalation risk Evaporation at 20 ° C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

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EFFECTS OF SHORT-TERM EXPOSURE: The substance 'irritating to the skin, the respiratory tract and digestive tract. The substance 'corrosive to the eyes. The substance may cause effects on the central nervous system, resulting in depression, convulsions and respiratory failure Exposure could cause a rise in blood pressure.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: Repeated or prolonged contact may cause skin sensitization.

**ACUTE HAZARDS / SYMPTOMS**

Inhalation Burning sensation. Cough. difficulty breathing.

SKIN MAY 'BE USED! Redness.

Eyes Redness. Ache. Severe deep burns.

Ingestion Abdominal pain. Diarrhea. Vomiting.

LD50 (rat) Oral (mg/kg body weight) = 260

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 800

**SECTION12. Ecological information****12.1. Toxicity**

Related to contained substances:

1,2-dihydroxybenzene:

Toxic to aquatic organisms.

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

**12.2. Persistence and degradability**

Related to contained substances:

1,2-dihydroxybenzene:

The product is readily biodegradable.

**12.3. Bioaccumulative potential**

Related to contained substances:

1,2-dihydroxybenzene:

There are no more information.

**12.4. Mobility in soil**

Related to contained substances:

1,2-dihydroxybenzene:

There are no more information.

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

No PBT/vPvB ingredient is present

**12.6. Other adverse effects**

No adverse effects

**SECTION13. Disposal considerations****13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

**SECTION14. Transport information****14.1. UN number or ID number**

ADR/RID/IMDG/ICAO-IATA: 2810

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ADR exemption because compliance with the following characteristics:

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: LIQUIDO ORGANICO TOSSICO, N.A.S. (1-fenil-3-pirazolidone, 1,2-diidrossibenzene)

ADR/RID/IMDG: TOXIC LIQUID, ORGANIC, N.O.S. (1-phenyl-3-pyrazolidone, 1,2-dihydroxybenzene)

ICAO-IATA: TOXIC LIQUID, ORGANIC, N.O.S. (1-phenyl-3-pyrazolidone, 1,2-dihydroxybenzene)

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

ADR/RID/IMDG/ICAO-IATA: Class : 6.1

ADR/RID/IMDG/ICAO-IATA: Label : Limited quantities

ADR: Tunnel restriction code : E

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

IMDG - EmS : F-A, S-A

**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 : 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. Maritime transport in bulk according to IMO instruments**

It is not intended to carry bulk

**SECTION15. 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).

REGULATION (EU) No 1357/2014 - waste:

HP11 - Mutagenic

**15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

**SECTION16. Other information**



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**16.1. Other information**

Description of the hazard statements exposed to point 3

H301 = Toxic if swallowed.

H311 = Toxic in contact with skin.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H332 = Harmful if inhaled.

H341 = Suspected of causing genetic defects

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.