

## Developer Separol Soft

### 1) substance-/ preparation and company name

**Chemical name/ Trade name:** Separol Soft

**Application/use:** Photographic developer  
**Company name:** Wolfgang Moersch Photochemie, Am Heideberg 48

D 50354 Hürth, Germany

**Telephone:** ++49 22 33 943137

### 2) composition/details on components

This product is a preparation according to the law for chemicals.

Name	Content	CAS	EINECS	CLASSIFICATION
1,4 DIHYDROXYBENZENE POTASSIUM SALT	15-20%	21799-87-1	244-584-7	not classified
4-(METHYLAMINO)PHENOLSULFATE	5-9%	55-55-0	200-237-1	Xn R-22-50/53
POTASSIUM CARBONATE	25-30%	584-08-7	209-529-3	Xn R-22, 36
POTASSIUM BROMIDE	>1%	7758-02-3	231-830-3	Xn R-20/22, 36/37/38
BENZOTRIAZOLE	>1%	95-14-7	202-394-1	Xn R-22, 36
SODIUM ISO ASCORBATE	15-20	6381-77-7	244-584-7	not classified
SODIUM SULPHITE	25-30%	7757-83-7	231-821-4	not classified
PHENYLMERCAPTOTETRAZOLE	>1%	86-93-1	201-710-5	Xn R-11, 22, 36/38

**Other information:** powder + 50ml Solution Restrainer

### 3) Possible risks

**Definition of dangers:** R-22 Harmful if swallowed. R-36 Irritating to eyes.

### 4) first aid precautions

**After breathing in:** None of special precautions required.  
**After skin contact:** at skin contact wash immediately with water and soap.  
Wash clothing before reuse.  
**After eye contact:** At eye contact open eyelids wash with water, then immediately consult an eye specialist.  
Consult eye specialist at eye irritation.  
**After swallowing:** Rinse out mouth with water and drink a lot of water afterwards

### 5) PRECAUTIONS for fire fighting

**Suitable extinguishing agents:** Coordinate extinguishing precautions on the surrounding fire.  
**for security reasons** None confessed.  
**unsuitable extinguishing agents:**  
**Special endangerings of the substance or the product itself** released by fire can be : carbon monoxide, carbon dioxide  
**its waste products of combustion or arising gasses:** sulfur dioxide

**24 hour transportation emergency telephone number: Chemtrec 800-424-9300**

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**Special protection equipment for fire fighting:** None of special equipment required.  
**Additional notes:** Product does not burn.

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### 6) PRECAUTIONS at unintentional release

**Person drawee Precautions:** Use personal protective clothing.  
**Environment protective measures:** Don't let it drain into the sewage system/surface water/ground water.  
**proceedings for cleaning/binding:** liquid binding materials (e.g. sand, pebble sand sawdust, universal binding agents).  
**Additional notes:** Treat the taken material according to waste management section.

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### 7) handling and storage

**Indications for safe contact:** At proper use none of special precautions required.  
**Points on fire-and explosion protection:** The product is not combustible.  
**Requirements on storerooms and containers:** None of special requirements necessary. Keep container tightly closed.  
**Together storage notes:** None of special precautions required.  
**More details on Storage conditions:** Recommended storage temperature: 10 to 25 C  
**Store class:** LGK 12 (VCI strategy)

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### 8) outline demarcation and personal protection equipment

**Additional indications for arrangement of technical plants:** See section 7; no requirements going beyond this.  
**Personal protection equipment:**  
**Breathing protection:** Sufficient ventilation, no additional protection necessary.  
**Hand protection:** Gloves. Required qualities: Liquid proof.

### 9) physical and chemical qualities

**Form:** powder + 50ml solution  
**Color:** white blue  
**Smell:** Odourless.  
**pH value:** -  
**Boiling-point/boiling area:**  $\geq 100$  C  
**Melting point/glaze area:**  $\leq 0$  C  
**Flaming point:** Not applicable.  
**Imflammatory/ Catching light temperature:** Not inflammable.  
**Self flammability:** Not self-flammable  
**Fire promoting qualities:** Not combustible.  
**Danger of explosion:** No danger of explosion.  
**Vapor pression:** Remark: Corresponds to the vapor pression of water.  
**Density:**  
**Pouring density:** Not applicable.  
**Solubility into water:** Mixable.

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in other solvents:	No relevant data.
Distribution coefficient n-Oktanol/water:	No relevant data.
Dynamic viscosity:	no relevant data.
other details:	There are not further data.

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### 10) stability and reactivity

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known

**Dangerous products of decomposition:** No dangerous decomposition products known

### 11) details on toxicology

#### Toxicological tests:

Acute Toxicity:	No relevant data
Specific symptoms in this Animal experiment:	No relevant data.

**Irritation-/ etching effect:** The details refer to the technical active agents

Skin:	slightly irritating
Eyes:	strongly irritating
Sensitization:	Sensitization of skin is possible.
<b>Effect after repeated or longer continuous expose:</b>	Possibility of irreversible damage if swallowed.

Other details:	No further data.
Experiences from the practice:	No relevant data.
General remarks:	There are no toxicological data. The classification was carried out according the calculation proceedings of preparation guideline ( 88/379/EEC).

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### 12) details on ecology

General notes:	There are no data. The product was not tested. Remarks: Does not reach by correct use into the waste water.
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### 13) indications for waste management

Product:	The corresponding local water-and waste regulations must be observed. Do not dispose with domestic garbage. Do not let it get into the sewage system.
European waste catalog:	09 00 00: Waste from the photographic industry 09 01 00: Waste from the photographic industry 09 01 01: Developer and activators on water base
Packing:	Not contaminated packings can be recycled .



## **Developer Separol Soft**

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These details refer merely on this above product and not needs to be valid, if this is occurred with another product or in an arbitrary process.

The information corresponds to our today's knowledge, it is correct and complete and with best conscience, given without a guarantee, though. It shall describe our product with a view to safety requirements and has therefore not the meaning to assure of certain qualities. The responsibility of the use of this product remains on the user whether the information is complete and suitable for his special use.

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### **R-PHRASES (FULL TEXT)**

**R-22 Harmful if swallowed. R-36 Irritating to eyes.**