

## EC safetydata sheet

According to 91/155/EWG



## Developer SE 7 Bromoil

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

Chemical name/ Trade name: **SE7 BROMOIL**

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.

Description: Aqueous solution containing inorganic and organic substances

Name	Content	CAS	EINECS	CLASSIFICATION
1,4 DIHYDROXYBENZENE POTASSIUM SALT	5-10	21799-87-1	244-584-7	not classified
1,4-DIHYDROXYBENZENE (Hydrochinon)	1-5	123-31-9	204-617-8	Xn ,N R-22, 40, 41, 43, 50, 68 Carc3 Mut3
POTASSIUM CARBONATE	4-6	584-08-7	209-529-3	Xn R-22, 36
TRIETHANOLAMINE	5-10	102-71-6	203-049-8	not clasified
POTASSIUM BROMIDE	>1	7758-02-3	231-830-3	Xn R-20/22, 36/37/38
1-PHENYL-4-METHYL-4-HYDROXYMETHYL-3 PYRAZOLIDONE	>1	13047-13-7	235-920-3	Xn R-48/22
DIETHYLENTRIAMINE PENTAACETIC ACID NA5	>1	67-43-6	200-652-8	Xi R-36
SODIUM SULPHITE	12-16	7757-83-7	231-821-4	not classified

Other information: further principal ingredient: Water

### 3) Possible risks

Definition of dangers: Bad for health: Possibility of irreversible damage if swallowed. Danger of serious eye damage. Sensitization by skin contact possible.

### 4) first aid precautions

General notes: change contaminated, wet clothing.  
consult a doctor.

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.

After swallowing: Consult eye specialist at eye irritation.  
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.

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

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<b>for security reasons</b>	None confessed.
<b>unsuitable extinguishing agents:</b>	
<b>Special endangerings of the substance or the product itself</b>	released by fire can be : carbon monoxide, carbon dioxide
<b>its waste products of combustion or arising gasses:</b>	sulfur dioxide
<b>Special protection equipment for fire fighting:</b>	None of special equipment required.
<b>Additional notes:</b>	Product does not burn.

## 6) PRECAUTIONS at unintentional release

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

## 7) handling and storage

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

## 8) outline demarcation and personal protection equipment

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

## 9) physical and chemical qualities

<b>Form:</b>	Liquid
<b>Color:</b>	slightly yellow, clear.
<b>Smell:</b>	Odourless.
<b>pH value:</b>	10.00 (25 C)
<b>Boiling-point/boiling area:</b>	≥ 100 C
<b>Melting point/glaze area:</b>	≤ 0 C
<b>Flaming point:</b>	Not applicable.
<b>Inflammable/</b>	Not inflammable.
<b>Catching light temperature:</b>	
<b>Self flammability:</b>	Not self-flammable
<b>Fire promoting</b>	Not combustible.

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### qualities:

<b>Danger of explosion:</b>	No danger of explosion.
<b>Vapor pressure:</b>	Remark: Corresponds to the vapor pressure of water.
<b>Density:</b>	1.150 g/ml (20 C)
<b>Pouring density:</b>	Not applicable.
<b>Solubility into water:</b>	Mixable.
<b>in other solvents:</b>	No relevant data.
<b>Distribution coefficient n-Oktanol/water:</b>	No relevant data.
<b>Dynamic viscosity:</b>	no relevant data.
<b>other details:</b>	There are not further data.

## 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:

<b>Acute Toxicity:</b>	No relevant data
<b>Specific symptoms in this Animal experiment:</b>	No relevant data.

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

<b>Skin:</b>	slightly irritating
<b>Eyes:</b>	strongly irritating
<b>Sensitization:</b>	Sensitization of skin is possible.

**Effect after repeated or longer continuous expose:** 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).

## 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.

## 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.

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<b>European waste catalog:</b>	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
<b>Packing:</b>	Not contaminated packings can be recycled .  Empty packing completely, wash well (Cleaning agent: water), can be recycled afterwards

### 14) details on transport

<b>Transport/further details:</b>	No dangerous goods according to transport regulations (ADR/RID IMDG code, ICAO-TI/IATA-DGR)
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### 15) regulations

<b>Identification by EC directives:</b>	The product is classified and labeled according to EC guidelines ( GefStoffVO)
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<b>Classification letter:</b>	Xn	<b>danger symbol:</b>
<b>Danger identification:</b>	Bad for health	
<b>R sentences:</b>	R-36 Irritating to eyes. R-40 Limited evidence of a carcinogenic effect.	
<b>S sentences:</b>	S-2 Keep out of reach of children. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-36/37 Wear suitable protective clothing and gloves. S-46 If swallowed seek medical advice immediately and show this container label.	

<b>Remarks:</b>	This classification was carried out according to the calculation method for preparations guideline ( 88/379/EEC).
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<b>Technical instructions air: Water endangering class (WGK):</b>	This TA isn't a subject. 2 (water endangering) (Classification in accordance with VwVwS, appendix 4)
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### 16). other details

**Use:** Photographic developer

**Further information:**

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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## **Developer SE 7 Bromoil**

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

**R-22 Harmful if swallowed. R-36 Irritating to eyes. R-40 Limited evidence of a carcinogenic effect..  
R-36/38 Irritating to eyes and skin. R-48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.**