1) substance-/ preparation and company name

Chemical name/ Trade name:	Separol Soft
Application/use: Company name:	Photographic developer 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 pecautions	
After breathing in: After skin contact:	None of special precautions required. 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: for security reasons unsuitable extinguishing agents:	Coordinate extinguishing precautions on the surrounding fire. None confessed.
Special endangerings of the substance or the product itself	
its waste products of combustion of arising gasses:	or sulfur dioxide

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



Special protection equipment	None of special equipment required.
for fire fighting: Additional notes:	Product does not burn.
6) PRECAUTIONS at unintentional	release
Person drawee Precautions:	Use personal protective clothing.
	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.
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	None of special requirements necessary. Keep container tightly
and containers: Together storage notes:	closed. None of special precautions required.
More details on	
Storage conditions: Store class:	Recommended storage temperature: 10 to 25 C LGK 12 (VCI strategy)
8) outline demarcation and personal protection equipment	
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Additional indications for arranger	
Additional indications for arranger of technical plants:	
Additional indications for arranger of technical plants: Personal protection equipment: Breathing protection:	nent See section 7; no requirements going beyond this. Sufficient ventilation, no additional protection necessary.
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Additional indications for arranger of technical plants: Personal protection equipment: Breathing protection: Hand protection:	nent See section 7; no requirements going beyond this. Sufficient ventilation, no additional protection necessary. Gloves. Required qualities: Liquid proof.
Additional indications for arranger of technical plants: Personal protection equipment: Breathing protection: Hand protection: 9) physical and chemical qualities Form: Color:	nent See section 7; no requirements going beyond this. Sufficient ventilation, no additional protection necessary. Gloves. Required qualities: Liquid proof. powder + 50ml solution white blue
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Additional indications for arranger of technical plants: Personal protection equipment: Breathing protection: Hand protection: 9) physical and chemical qualities Form: Color: Smell: pH value: Boiling-point/boiling area: Melting point/glaze area: Flaming point: Imflammatory/ Catching light temperature: Self flammability: Fire promoting	nent See section 7; no requirements going beyond this. Sufficient ventilation, no additional protection necessary. Gloves. Required qualities: Liquid proof. powder + 50ml solution white blue Odourless. - ≥ 100 C ≤ 0 C Not applicable. Not inflammable.
Additional indications for arranger of technical plants: Personal protection equipment: Breathing protection: Hand protection: 9) physical and chemical qualities Form: Color: Smell: pH value: Boiling-point/boiling area: Melting point/glaze area: Flaming point: Imflammatory/ Catching light temperature: Self flammability: Fire promoting qualities: Danger of explosion:	nent See section 7; no requirements going beyond this. Sufficient ventilation, no additional protection necessary. Gloves. Required qualities: Liquid proof. powder + 50ml solution white blue Odourless. ≥ 100 C ≤ 0 C Not applicable. Not inflammable. Not self-flammable Not combustible. No danger of explosion.
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in other solvents:
Distribution coefficient
n-Oktanol/water:
Dynamic viscosity:
other details:

No relevant data. No relevant data. no relevant data. 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: Acute Toxicity: Specific symptoms in this Animal experiment:	No relevant data No relevant data.
Irritation-/ etching effect:	The details refer to the technical active agents
Skin:	slightly irritating
Eyes: Sensitization:	strongly irritating Sensitization of skin is possible.
Effect after repeated or long	
Effect after repeated of long	Possibility of irreversible damage if swallowed.
Other details:	No further data.
Experiences from the practice:	No relevant data.
General remarks:	There are no toxicologgical data. The classification was carried out according the calculation proceedings of preparation guideline (88/379/EEC).
12) details on ecology	
,	There are no data.
12) details on ecology General notes:	The product was not tested.
,	The product was not tested. Remarks: Does not reach by correct use
,	The product was not tested.
General notes:	The product was not tested. Remarks: Does not reach by correct use into the waste water.
General notes: 13) indications for waste managem	The product was not tested. Remarks: Does not reach by correct use into the waste water.
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General notes: 13) indications for waste managem Product:	The product was not tested. Remarks: Does not reach by correct use into the waste water. nent 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.
General notes: 13) indications for waste managem Product: European waste catalog:	The product was not tested. Remarks: Does not reach by correct use into the waste water. nent 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. 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
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	Empty packing completely, wash well (Cleaning agent: water), can be recycled afterwards
14) transport information	
ADR CLASS: ROAD TRANSPORT NOTES: RAIL TRANSPORT NOTES: SEA TRANSPORT NOTES: AIR TRANSPORT NOTES:	Not classified for transportation. Not classified for road transport Not classified for rail transport Not classified for sea transport Not classified for air transport
15) regulations	
Identification by EC directives:	The product is classified and labeled according to EC guidelines (GefStoffVO)
Classification letter: Danger identification: R sentences:	nonedanger symbol:noneR-36 Irritating to eyes.R-22 Harmful if swallowed
	R-43 May cause sensitisation by skin contact.
S sentences:	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.
Remarks:	This classification was carried out according to the calculation method for preparations guideline (88/379/EEC).
Special identification- regulations for definite Preparations: National regulations: Occupation - restrictions: Disruptive incident prescripti Prescription about combustit liquids: Technical instructions air: Water endangering class (WGK): Other regulations, restrictions and	 ble It is not subject to this prescription. This TA isn't a subject. 2 (water endangering) (Classification in accordance with VwVwS, appendix 4)
Ban prescriptions:	is allotted

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.

ISSUED BY:	Wolfgang Moersch – Moersch-Photochemie ++49 2233 943137 info@moersch-photochemie.com
	10 Jan 2005

REVISION DATE:10 Jan 2005PRINTING DATE10 Jan 2005

R-PHRASES (FULL TEXT)

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