

Developer SE 30 Meritol

1) substance-/ preparation and company name

Chemical name/ Trade name: SE30 Meritol

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	1-2%	21799-87-1	244-584-7	not classified
1,2-DIHYDROXYBENZENE (Catechol)	1-2%	120-80-9	204-427-5	Xn R21/22 36/38
1,4-DIHYDROXYBENZENE (Hydrochinone)	3-4%	123-31-9	204-617-8	Xn R-22, 40, 41, 43, 50, 68 Carc3 Mut3
POTASSIUM CARBONATE	13%	584-08-7	209-529-3	Xn R-22, 36
DIETHYLENE GLYCOL	>1%	111-46-6	203-872-2	Xn R-22
POTASSIUM BROMIDE	>1%	7758-02-3	231-830-3	Xn R-20/22, 36/37/38
4-(N-Ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine	1-3%	25646-71-3	247-161-5	Xn R22-36 S 26
DIETHYLENTRIAMINE PENTAACETIC ACID NA5	0,2%	67-43-6	200-652-8	Xi R-36
SODIUM SULPHITE	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.

Consult eye specialist at eye irritation.

After swallowing: Rinse out mouth with water and drink a lot of water afterwards

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

Developer SE 30 Meritol

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

6) PRECAUTIONS at unintentional release

Person drawee	Use personal protective clothing.
Precautions:	
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.

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)

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:	Liquid
Color:	Reddish, clear.
Smell:	phenole like.
pH value:	10.5 (20 C)
Boiling-point/boiling area:	≥ 100 C
Melting point/glaze area:	≤ 0 C

Developer SE 30 Meritol

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:	1.150 g/ml (20 C)
Pouring density:	Not applicable.
Solubility into water:	Mixable.
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.

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:	Catechol
Animal experiment:	LD50 (oral rat): 260mg/kg LD50 (skin rabbit): 800mg/kg
Irritation-/ etching effect:	The details refer to the technical active agents
Skin:	slightly irritating
Eyes:	strongly irritating
Sensitization:	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.
----------------	---

Developer SE 30 Meritol

liquids:	
Technical instructions air:	This TA isn't a subject.
Water endangering class (WGK):	2 (water endangering) (Classification in accordance with VwVwS, appendix 4)
Other regulations, restrictions and 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

REVISION DATE: 20 OCT 2009
PRINTING DATE 20 OCT 2009

R-PHRASES (FULL TEXT)

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