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Trade name: SE1 SEPIA

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name: SE1 SEPIA
UFI: TH20-U0SJ-F00X-0RJ4

1.2 Application of the mixture: Photographic developer**1.3 Details of the supplier of the safety data sheet**

Manufacturer/Supplier:

Moersch Photochemie
Am Heideberg 48
50354 Hürth
Tel.: + 49(0)2233-943137
Fax: + 49(0)2233-943138
E-Mail: wolfgang@moersch-photochemie.de
www.moersch-photochemie.de

1.4 Emergency telephone number:

Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

SECTION 2: Hazards identification**2.1 Classification of the mixture**

Classification according to Regulation (EC) No 1272/2008

Section	Hazard Class	Category	Hazard Class and Category	Hazard Statement
3.2	Skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	Serious eye damage/eye irritation	2	Eye Irrit. 2	H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictogram



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GHS 07

Signal word: Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements – prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements – response

P302+P352 IF ON SKIN: Wash with plenty of water

P308 + P313 IF exposed or concerned: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.**SECTION 3: Composition/information on ingredients**

Chemical characterisation: Mixture

Description: Mixture of substances below and with nonhazardous additions

Components:

Identifiers	Substance	Classification	% w/w
CAS-No 21799-87-1 EC No 244-584-7	2,5-Dihydroxibenzene Potassium salt	Skin Irrit. 2, H315; Eye Irrit. 2, H319	8 %
CAS-No 122-87-2 EC No 204-580-8	N-(4-Hydroxyphenyl)glycine	Skin Irrit. 2, H315; Eye Irrit. 2, H319	3 %
CAS-No 584-08-7 EC No 209-529-3	Potassium carbonate	Skin Irrit. 2; Eye Irrit. 2	10 %
CAS-No 102-71-6 EC No 203-049-8 REACH Reg.-No 01-2119486482-31-xxxx	Triethanoamine	not classified	5 %
CAS: No 7647-15-6 EC No 231-599-9 REACH Reg.-No	Sodium bromide	not classified	0,60 %

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01-21-9490106-41-xxxx			
CAS-No 7757-83-7 EC No 231-821-4 REACH: 01-2119537420-49-XXXX	Sodium sulfite	not classified	15 %

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take off contaminated clothing

After skin contact: Immediately rinse with water.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

Irritation

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture:

Sulphur dioxide

5.2 Special hazards arising from the substance or mixture:

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

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6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Handle and open container with care. Clear contaminated areas thoroughly.

Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Incompatible substances or mixtures

Observe hints for combined storage. Incompatible materials: see section 10.

Consideration of other advice:

Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C

SECTION 8: Exposure controls/personal protection**Control parameters****Occupational exposure limit values (Workplace Exposure Limits)**

This product, as supplied, does not contain any harmful substances with occupational exposure limits set by the authority responsible for the region.

Exposure controls

Personal protective equipment

Eye/face protection

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Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min (permeation: level 6)

Body Protection

protective clothing

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

General information Form: Colour: Odour:	fluid colourless odourless
Change in condition Melting point: Melting range:	not determined
Flash point	not applicable
Flammability	not applicable
Danger of explosion	not applicable
Vapour pressure at 20° C	not determined
Density at 20° C	1.24 g/cm ³
Solubility in/Miscibility with water	fully miscible
pH-Value at 20° C	10.65
Solids content	40 %
Solvent content Organic solvents: Water: VOC (EU):	0 % 60 % 0 %

SECTION 10: Stability and reactivity

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10.1 Reactivity

This mixture is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Violent reaction with: none known

10.4 Conditions to avoid

UV-radiation/sunlight. Contact with air/oxygen.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

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

Classification according to GHS (1272/2008/EC, CLP)

Is not to be classified as acutely toxic.

Acute toxicity

LD/LC50 values relevant for classification:		
13047-13-7 4-Hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidon		
Oral:	LD50	1000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
584-08-7 Potassium carbonate		
Oral:	LD50	> 2000 mg/kg (rat)
21799-87-1 1,4-Dihydroxybenzenmonosulfonic acid potassium salt		
Oral:	LD50	> 10000 mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rabbit)

Primery irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified to cause cancer.

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Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics**• If swallowed**

vomiting, nausea

• If in eyes

Causes serious eye irritation

• If on skin

causes skin irritation

• Other information

none

SECTION 12: Ecological information

12.1 Toxicity: Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be

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used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Properties of waste which render it hazardous

HP 4 irritant - skin irritation and eye damage

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled

SECTION 14: Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	is not subject to transport regulations
14.2 UN proper shipping name ADR, IMDG, IATA	no dangerous good
14.3 Transport hazard classes ADR, ADN, IMDG, IATA	none
14.4 Packing group ADR, ADN, IMDG, IATA	not assigned
14.5 Environmental hazards Marine pollutant:	not hazardous to the environment according to dangerous goods regulations
14.6 Special precautions for user	no additional information is available
14.7 Transport in bulk according to annex II of Marpol and the IBC code	not transported in bulk
14.8 Information according to the individual UN model regulations	

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Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) - Additional information

Not subject to ADR, RID and ADN regulations.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG regulations.

International Civil Aviation Organisation (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

not listed

List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list

not listed

Seveso Directive

not assigned

Deco-Paint Directive

VOC-content 0 %

Industrial Emissions Directive (IED)

VOC-content 0 %

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

Water Framework Directive (WFD)

List of pollutants

not listed

Regulation on the marketing and use of explosives precursors

not listed

Regulation on drug precursors

not listed

Regulation on substances that deplete the ozone layer (ODS)

not listed

Regulation concerning the export and import of hazardous chemicals (PIC)

not listed

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Regulation on persistent organic pollutants (POP)

not listed

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant H-phrases

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2