

EC safetydata sheet

According to 91/155/EWG

Developer SE5 Lith Part E

1). substance-/ preparation and company name

| | |
|-------------------------|--|
| Chemical name/ | SE5 Lith part E Lith developer |
| Trade name: | |
| Application/use: | Photographic developer |
| Company name: | Wolfgang Moersch Photochemie, Am Heideberg 48 D 50354 Hürth |
| Telephone: | ++49 22 33 943137 |

2). composition/details on components

This product is a preparation according to the chemical law.

Description: Aqueous solution containing mainly inorganic substances

Composition/information about the components:

| Name | Weight % |
|--------------------------|-----------------|
| Danger symbol: - | |
| Potassium bromide | 30 - 40 |

Danger notes

Other information: Principal ingredient: water, potassium bromide

3). Possible risks

Name of dangers: No identification required. Please, take the information of this safety data sheet this one into account.

Special danger notes on Man and environment: No dangers to be mentioned particularly.

4). first aid PRECAUTIONS

| | |
|------------------------------|---|
| General notes: | change wet, contaminated clothing. |
| After breathing in: | None of special measures required. |
| After skin contact: | Wash at touch the skin with water and soap. Wash clothing before reuse. |
| After eye contact: | At eye contact open eyelids wash with water sufficiently then immediately consult a doctor. Consult an eye specialist at eye irritation. |
| After swallowing: | Rinse out mouth with water. Consult doctor. |
| Notes for the doctor: | |
| Symptoms: | No symptoms confessed till now. |

5). PRECAUTIONS on fire fighting

Suitable extinguishing agents: Coordinate extinguishing measures on surroundings fire.

From security reasons None confessed.

unsuitable extinguishing agents:

Special endangerings of the substance or the product itself Possible releases by fire: Bromine vapors

its waste products of combustion or arising gasses:

Special protection equipment Compressed air breathing apparatuses allowed if the material burns

the fire fighting: use.

Additional notes: None.

6). PRECAUTIONS at unintentional release

Person drawee Use personal protective clothing.

Precautions:

Environment protective measures: Do not let it get into the sewage system/surface water/ground water

Proceedings on cleaning and binding: Use liquid binding compounds like sawdust, universal binding agent

Additional notes: The taken material according to section waste management treat.

7). handling and storage

Indications for safe contact: -

Points on fire-and The product is not combustible.

Explosion protection:

Requirements on storerooms and container: None of special requests necessary. Container, thick, keep locked.

Together storage notes: None of special measures required.

More details on Recommended storage temperature: 5 to 25 C

Storage conditions:

Store class: LGK 12 (VCI strategy)

8). outline demarcation and personal protection equipment

Additional indications for the Lay-out of technical plants: See section 7; no measures going beyond this required.

Components to be superwised in connection with the working place and limiting values:

No-one

Personal protection equipment:

Breathing protection: Sufficient ventilation, no additional protection necessary.
Hand protection: Gloves. Required qualities: Liquid thick.

Eye protection: Safety goggles (basket glasses).
Object protection: personal protective clothing
Protection-and Do not eat, drink or sneeze at work.
Hygiene measures: Preventive skin protection. Wash hands before the breaks
and
at work end
Use fatty skin cremes after use

9). physical and chemical qualities

Form: Liquid
Color: Colorless, clear.
Smell: Not characteristic.
pH value: 8.9 (22 C)

Boiling-point/boiling area: ≥ 100 C
Melting point/glaze area: ≤ 0 C
Flaming point: Not applicable
Imflammability/ Not inflammable.
Catching light temperature:
Self-flammable: Not self flammable.
Fire promoting Not combustible.
Qualities:
Danger of explosion: Not explosion dangerous.
Vapor pression: Remark: Corresponds to the vapor pression of water.
Density: 1.274 g/cm³ (20 C)
Pouring density: Not applicable.
Solubility into waters: Mixable.
in other solvents: There are no data.
Distribution coefficient There are no data.
n-Oktanöl/water:
Dynamic viscosity: There are no data.
Solving average salary: 69% water
Solid salary: 31%
other details: There are no further data.

10). stability and reactivity

Stability: No decomposition at correct use.
Avoiding Contact with acids.
Conditions:
Avoiding Reaction with acids (formation) of bromine hydrogene.
Substances:
Dangerous Only at fire (temperature 750 C) dangerous
Educts: Bromine vapors can arise (see section 5).

Further details: No dangerous reactions at prescribed storage and Handling.

11). details on the toxicology

Toxicological exams:

Acute Toxicity: None confessed.

Specific symptoms in this There are no data.

Animal experiment:

Irritation-/ etching effect:

Skin: Slight Irritation effect.

Eyes: Irritation effect.

Sensitization: There are no data.

Effects after repeated or longer, continuous expose:

None confessed.

Cancer producing, ancestral estate changing as well as propagation endangering qualities:

None confessed.

Other details: No further data.

Experiences from the practice: There are no data.

General remarks: There are no Toxicological data. The classification was carried out according to the calculation proceedings of preparation guideline (88/379/EEC)

12). details on ecology

There are no data.

General notes: The product was not tested.

Remarks: Does not reach ,at correct use, into the sewage.

13). indications for waste management

Product: The corresponding legal local-and waste regulations must be observed. May not be together disposed with domestic garbage. Do not let it reach 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 packages can be recycled

Empty completely, wash contaminated packages well (Cleaning agent: water), can be recycled afterwards being a reuse supplied.

14). details on transport

Transport/further details: No dangerous goods according to the transport

15). Regulations Identification

No identification required.

to EC directives:

Is allotted.

Classification letter:

Is allotted.

Danger symbol:

Is allotted.

Danger name:

Is allotted.

R sentences:

Is allotted.

S sentences:

Is allotted.

Remarks:

the classification was carried out according to the calculation method preparation guideline (88/379/EEC)

Special identification-regulations for definite Preparations:

Is allotted.

National regulations:**Occupation -**

No-one

restrictions:**Disruptive incident prescription:**

No-one

the disruptive incident isn't subject.**Prescription about combustible**

Is not subject to this prescription.

Liquids:**Technical instructions air:**

The (TA) isn't subject.

Water endangering class:

1 (water endangering weakly)

(WGK)

(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:****28 Jun 2007****PRINTING DATE****02 May 1995**