

**Safety data sheet**  
according to 1907/2006/EC, Article 31

**TETENAL**

Printing date 23.07.2021

version no: 4

Revision: 23.07.2021

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: **E-6 CD-R Part 2**

Article number: 105483

Index number:

None of the ingredients is listed.

UFI: 5030-V0YG-Q009-YHH8

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Developer for photographic use

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

TETENAL 1847 GmbH

Schützenwall 31-35

D-22844 Norderstedt /Germany

Tel.: +49 (0) 40 521 45-0; Fax: +49 (0)40-52145-296

www.tetenal.com; E-mail: info@tetenal.com

Further information obtainable from: Department product safety. E-Mail: sida@tetenal.com

### 1.4 Emergency telephone number:

Poison Information Centre Germany: +49 (0) 30 - 30686 700 (English and German 24 hours)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1            H318 Causes serious eye damage.

Skin Sens. 1            H317 May cause an allergic skin reaction.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

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

#### Hazard pictograms



GHS05

GHS07

GHS09

Signal word Danger

#### Hazard-determining components of labelling:

N-(2-(4-amino-N-ethyl-m-toluidino)ethyl)methanesulphonamide sesquisulphate (CD-3)

#### Hazard statements

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P261            Avoid breathing dust/fume/gas/mist/vapours/spray.

P272            Contaminated work clothing should not be allowed out of the workplace.

P273            Avoid release to the environment.

P280            Wear protective gloves / eye protection / face protection.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310            Immediately call a POISON CENTER/doctor.

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- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.  
 P501 Dispose of contents/container in accordance with local regulations.

**2.3 Other hazards**
**Results of PBT and vPvB assessment**

- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation: Mixtures**

- . **Description:** Mixture of substances listed below and with nonhazardous additions.

**Dangerous components:**

- |                                |  |
|--------------------------------|--|
| CAS: 25646-71-3                | N-(2-(4-amino-N-ethyl-m-toluidino)ethyl)methanesulphonamide 1-5% |
| EINECS: 247-161-5              | sesquisulphate (CD-3)  |
| Index number: 612-134-00-2     | ☠ Acute Tox. 3, H301; ☠ Eye Dam. 1, H318; ☠ Aquatic Chronic      |
| Reg.nr.: 01-2120794432-50-0001 | 1, H410; ☠ Skin Sens. 1, H317                                    |

- . **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

- . **General information:** Immediately remove any clothing/shoes soiled by the product.
- . **After inhalation:** Supply fresh air and to be sure call for a doctor.
- . **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- . **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**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**
**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture**

Under certain fire conditions, traces of other toxic gases cannot be excluded.

**5.3 Advice for firefighters**

- . **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

**6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

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).

Pick up mechanically.

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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

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

**Information about fire - and explosion protection:** No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidising agents.

**Further information about storage conditions:**

Protect from heat and direct sunlight.

Store under lock and key and out of the reach of children.

Recommended storage temperature: 5-30°C

Protect from exposure to the light.

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Additional information about design of technical facilities:** No further data; see item 7.

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

**Personal protective equipment:**

**General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

**Respiratory protection:** Ensure adequate ventilation

**Protection of hands:**



Protective gloves

Impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

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Nitrile rubber, NBR

Neoprene gloves

**. Penetration time of glove material**

Glove material      breakthrough-time      layer thickness

Butyl rubber:          ≥480 min                      ≥0,4mm

Nitrile rubber:        ≥480 min                      ≥0,38mm

Neoprene:              ≥240 min                      ≥0,65mm

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**. Eye protection:**

Tightly sealed goggles

**. Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

**. 9.1 Information on basic physical and chemical properties****. General Information****. Appearance:**

|                |              |
|----------------|--------------|
| <b>Form:</b>   | Fluid        |
| <b>Colour:</b> | Light yellow |
| <b>Odour:</b>  | Pungent      |

**. pH-value at 20 °C:** ~1.5**. Change in condition****Melting point/freezing point:** Undetermined.**Initial boiling point and boiling range:** Undetermined.**. Flash point:** Not applicable.**. Auto-ignition temperature:** Product is not selfigniting.**. Explosive properties:** Product does not present an explosion hazard.**. Vapour pressure:** Not determined.**. Density at 20 °C:** 1.02 g/cm<sup>3</sup>**. Solubility in / Miscibility with water:** Fully miscible.**. Solvent content:****Water:** 90-98 %**Solids content:** 0.0 %**. 9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

**. 10.1 Reactivity** No further relevant information available.**. 10.2 Chemical stability****. Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**. 10.3 Possibility of hazardous reactions** No dangerous reactions known.**. 10.4 Conditions to avoid** No further relevant information available.**. 10.5 Incompatible materials:** No further relevant information available.

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**10.6 Hazardous decomposition products:** Irritant gases/vapours

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

#### LD/LC50 values relevant for classification:

**25646-71-3 N-(2-(4-amino-N-ethyl-m-toluidino)ethyl)methanesulphonamide sesquisulphate (CD-3)**

Oral LD50 >75 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

#### Primary irritant effect:

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Additional toxicological information:

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1 Toxicity

#### Aquatic toxicity:

**25646-71-3 N-(2-(4-amino-N-ethyl-m-toluidino)ethyl)methanesulphonamide sesquisulphate (CD-3)**

LC50 96 mg/l (fish: Pimephales promelas)

**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.

#### Ecotoxicological effects:

**Remark:** Toxic for fish

#### Additional ecological information:

#### General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Danger to drinking water if even extremely small quantities leak into the ground.

#### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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**European waste catalogue**

09 00 00 WASTES FROM THE PHOTOGRAPHIC INDUSTRY

09 01 00 wastes from the photographic industry

09 01 01\* water-based developer and activator solutions

**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

**14.1 UN-Number****ADR, IMDG, IATA**

UN3082

**14.2 UN proper shipping name****ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-phenylenediamine derivative CD-3)

**IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-phenylenediamine derivative CD-3), MARINE POLLUTANT

**IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-phenylenediamine derivative CD-3)

**14.3 Transport hazard class(es)****ADR****Class**

9 (M6) Miscellaneous dangerous substances and articles.

**Label**

9

**IMDG, IATA****Class**

9 Miscellaneous dangerous substances and articles.

**Label**

9

**14.4 Packing group****ADR, IMDG, IATA**

III

**14.5 Environmental hazards:**

Product contains environmentally hazardous substances: p-phenylenediamine derivative CD-3

**Marine pollutant:**

Yes

**Special marking (ADR):**

Symbol (fish and tree)

**Special marking (IATA):**

Symbol (fish and tree)

Symbol (fish and tree)

**14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

**Hazard identification number (Kemler code):**

90

**EMS Number:**

F-A,S-F

**Stowage Category**

A

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

**Transport/Additional information:****ADR****Limited quantities (LQ)**

5L

**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**Transport category**

3

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|                                   |  |
|-----------------------------------|--|
| . <b>Tunnel restriction code</b>  | E  |
| . <b>IMDG</b>                     |  |
| . <b>Limited quantities (LQ)</b>  | 5L   |
| . <b>Excepted quantities (EQ)</b> | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| . <b>UN "Model Regulation":</b>   | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (P-PHENYLENEDIAMINE DERIVATIVE CD-3), 9, III         |

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

. **Directive 2012/18/EU**

. **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

. **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

. **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

. **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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 phrases**

H301 Toxic if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

. **Contact:** E: sida@tetenal.com

. **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

. **\* Data compared to the previous version altered.**