



Materials Safety Data Sheet

05.03.2024

1. Identification of the Substance/Preparation and of the Company/undertaking

Trade name and synonyms SDSGel Kits	EDC UG Vor dem Kreuzberg 17 72070 Tübingen Germany Emergency telephone number: +49 7071 6390551 info@electrophoresis-development-consulting.de	
Catalogue No. edc-4202, -4203, -4302, -4303, -3052, -3060, -3160 -3152, edc-4306, 4207, 4208, 4209, 4211, 4212	CAS No. Prod	
Description Ready-To-Use gel, Electrode Buffers	Area of Application: Product Use:	Industrial Application. Analytical chemistry. Research use only.

2. Composition/Information on Ingredients

Chemical family Polyacrylamide, Tris(hydroxymethyl)-aminomethane, Sodiumdodecylsulphate,
Appearance and Odour Translucent gels, and liquids, no odour
Additional information SDSGel Kits are articles according to the Article 3, 3. of the REACH Regulation (Regulation (EC) No 1907/2006). We note that the SVHC substance Acrylamide (residual monomer) is included in this article in a concentration below 0,1 %

Principal hazardous component(s)	CAS - No. Comp	Conc. (%)	Classification
Acrylamide EC-No201-173-7 (Propenamide)	79-06-1	<0,1	T, Xn, Xi
TRIS EC-No201-064-4	77-86-1	1-5	R 45-46-20/21-
SDS EC-No205-788-1	151-21-3	0,5	25-36/38-43-48 23/24/25-62

3. Hazards Identification

Routes of entry	Effects of Occupational Overexposure
Inhalation Eye contact Skin contact Ingestion	

4. First-Aid Measures

Inhalation: Eyes:	Rinse immediately with plenty of water
Skin: Ingestion:	Wash off with water Wash out mouth with water and if conscious give water to drink

5. Fire-Fighting Measures

Extinguishing media Carbon dioxide, dry chemicals or water spray
Special fire fighting procedures None.
Unusual fire and explosive hazards None

6. Accidental Release Measures

Steps to be taken if material is released or spilled Wipe up and place in containers for disposal. Clean spill area with detergent and water.
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7. Handling and Storage

Precautions to be taken in handling and storage etc Transportation at ambient temperature. Gels are stored at room temperature. Do not freeze! Buffers containing SDS are also stored at room temperature. Buffers without SDS are stored between 7 and 9°C

8. Exposure Controls/Personal Protection

Exposure limit Not established. (Comp: Acrylamide 0.03 mg/m ³ , TLV Sweden)
Ventilation requirements Normal ventilation
Special personal protection equipment None
Respiratory None
Eye Safety goggles
Hand protection Gloves
Other clothing or equipment None

9. Physical and Chemical Properties

Formula N/A (Not applicable)	Vapour pressure N/A	Melting point N/A
Boiling point 760 mm Hg N/A	Molecular weight N/A	Flash point N/A
Specific gravity N/A	Solubility in water (% by wt at 20° C) Gels insoluble, Buffer soluble	

10. Stability and Reactivity

Stability (normal conditions) Stable	Hazardous polymerization Will Not Occur	Conditions to avoid None
Incompatibility materials to avoid Avoid contact with oxidizing agents		
Hazardous decomposition products Decomposes at 700 °C to nitriles, amines, amides, pyridine and pyrrolidine.		

11. Toxicological Information

Toxicity Information Acrylamide: LD50 (rat,oral) 124 mg/kg, (rat,skin) 400 mg/kg, (rat inhalation) >1,5 mg/l 4h TRIS: LD50 (rat, oral) 5900 mg/kg, SDS: LD50 (rat, oral) 1288 mg/kg

12. Ecological Information

100% Acrylamide LC50 < 35 - 98 mg/ml water	TRIS: Readily, SDS: Readily
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13. Disposal Considerations

Waste disposal method
Dispose as per local, state or federal regulations

14. Transport Information

UN-No	ADR/RID DGR	Class	Compound No	Packing Group
Not listed				
Dangerous goods				
No				

15. Regulatory Information

None

16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Enquiries regarding MSDS Content should be directed to: **EDC office.**
For research use only. Not for drug, household or any other use.

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