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	Identification of the s	substance/mixture and	of the company/undertaking
· 1.1 Product ide	ntifier		CEDI 7A
· Trade name: F	•		SERVA
· Synonyma PDT			serving scientists
· Article number	: 21326		
· CAS Number:			
69898-45-9			
• EC number:			
274-196-3	antified uses of the sub	stance or mixture and u	sas advised against
	ant information availal		ses auvisea againsi
		t ure Laboratory chemica	ds (
·		-	
· 1.3 Details of the second seco	he supplier of the safety Supplier:	y aata sneet	· Co
SERVA Electro			
Carl-Benz-Str.			5
D-69115 Heide	lberg		.05
Tel.: +49 6221			
FAX: +49 6221		\cap	
msds.info@serv	va.de		
· Information de	partment: Product Safe	ety department Tel.: +49	6221 13840-35
· 1.4 Emergency	telephone number:		
	ency Information in cas		
•		one: +49 (0) 6131 19240	
(advisory servic	re in German or English	n language)	
	0	$\mathbf{\nabla}$	
SECTION 2.	Hazards identificatio	n	
· 2.1 Classificati · Classification d	on of the substance or 1 according to Regulation		
· 2.1 Classificati	according to Regulation		
• 2.1 Classification of Classification of GHS	according to Regulation	n (EC) No 1272/2008	
2.1 Classification Classification of GHS Skin Irrit. 2 H3	according to Regulation 07 215 Causes skin irritation	n (EC) No 1272/2008 ion.	
2.1 Classification Classification of GHS Skin Irrit. 2 H3 Eye Irrit. 2 H3	according to Regulation 07 15 Causes skin irritatio 19 Causes serious eye	n (EC) No 1272/2008 ion. irritation.	
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 2.1 Classification of Classification of Classification of GHS Skin Irrit. 2 H3 Skin Irrit. 2 H3 STOT SE 3 H3 2.2 Label elemon Labelling account of the substance i Hazard pictograme Signal word Wa Hazard stateme H315 Causes see H335 May causes Precautionary Second pictor P261 P264 P302+P352 P304+P340 	according to Regulation 207 215 Causes skin irritation 219 Causes serious eye 235 May cause respirat 235 May cause respirat 236 May cause respirat 237 May cause respirat 238 IF IN EYES: Rinse	n (EC) No 1272/2008 irritation. tory irritation. C) No 1272/2008 d according to the CLP re st/fume/gas/mist/vapours fter handling. with plenty of water. ove person to fresh air an	/spray.

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P337+P313 If eye irritation persists: Get medical advice/attention.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT:** Not applicable.

• **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.1 Chemical characterisation: Substances
- · CAS No. Description:
- 69898-45-9 Sodium 3-(pyridin-2-yl)-1,2,4-triazine-5,6diyl]bis(benzene-4,4'-sulphonate)
- Identification number(s):
- EC number: 274-196-3

· Description:

· Empirical formula: $C_{20} H_{13} N_4 O_6 S_2 Na$

· MW: 492.5

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· After eye contact

Rinse opened eye for several minutes under running water. Remove present contact lenses, if easy to do, and continue rinsing. Consult ophthalmologist In case of complaints.

- After swallowing Wash out mouth. Seek medical advice if discomfort occurs.
- 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

- CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be formed, but not limited to: Nitrogen oxides (NOx)

Sulphur oxides (SOx)

- Carbon monoxide and carbon dioxide
- · 5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing. Ensure adequate ventilation
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:
- Pick up mechanically.

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[•] Suitable extinguishing agents

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Dispose contaminated material as waste according to item 13. • **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 dust.

· Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

• Requirements to be met by storerooms and receptacles: Store at dry places in tightly closed receptacles.

• Information about storage in one common storage facility: Not required.

• Further information about storage conditions:

Protect from humidity and water.

Protect from exposure to the light.

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

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· 8.1 Control parameters

• Components with limit values that require monitoring at the workplace: Not required.

• Additional information: The lists that were valid during the creation were used as basis.

· 8.2 Exposure controls

· Personal protective equipment

• General protective and hygienic measures Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

• Breathing equipment:

Short term filter device: Filter P2.

• Protection of hands:

Protective gloves.

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

· Penetration time of glove material

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

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR Natural rubber, NR

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- Eye protection: Tightly sealed goggles.
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical	properties
• 9.1 Information on basic physical and cl	hemical properties
· General Information	
· Appearance:	
Form:	Powder
Colour:	Light yellow
· Odour:	Odourless
· pH-value (50 g/l) at 20 •C:	<i>ca.</i> 3.3
· Change in condition	
Melting point/freezing point:	> 300 °C
Initial boiling point and boiling range.	e undetermined
· Flash point:	Not applicable
· Flammability (solid, gaseous)	Product is not flammable.
· Explosive properties:	Product does not present an explosion hazard.
· Density:	Not determined
· Solubility in / Miscibility with	
Water:	Soluble
· 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: Avoid contact with oxidizers, acids.
- · 10.6 Hazardous decomposition products: In case of fire: See Section 5

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:
- · Skin corrosion/irritation
- Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, 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
- May cause respiratory irritation.
- STOT-repeated exposure Based on available data, the classification criteria are not met.

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

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SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- · 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.
- Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: PBT assessment not available.
- · **vPvB**: vPvB assessment not available.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

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

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

14.1 UN-Number		
ADR, ADN, IMDG, IATA	Void	
14.2 UN proper shipping name		
ADR, ADN, IMDG, IATA	Void	
14.3 Transport hazard class(es)		
ADR, IMDG, IATA		
Class	Void	
Label	-	
ADN/R Class:	Void	
14.4 Packing group		
ADR, IMDĞ, IATA	Void	
14.5 Environmental hazards:	Not applicable.	
14.6 Special precautions for user	Not applicable.	
14.7 Transport in bulk according to Anne	ex II of	
Marpol and the IBC Code	Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
UN ''Model Regulation'':	Void	

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SECTION 15: Regulatory information

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

• Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

• 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.

- · Department issuing SDS: Product safety department
- · Contact: +49 6221 13840-35

• 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)

ICAO: International Civil Aviation Organisation

PBT: persistent, bioaccumulative, toxic substance (REACH)

vPvB: very persistent, very bioaccumulative substance (REACH)

REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP: Regulation on classification, labelling and packaging of substances and mixtures

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

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

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

• * Data compared to the previous version altered.