Version number 3

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SECTION	
1.1 Product	t identifier
Trade nam	e: Acrylamide 4x solution CFPV/A
Article nun	aber: 10677
UFI: AMOC	D-Q0NC-W009-F9EE
1.2 Relevan	nt identified uses of the substance or mixture and uses advised against
No further 1	relevant information available.
Application	of the substance / the mixture: Laboratory chemicals
1.3 Details	of the supplier of the safety data sheet
SERVA Ele	ctrophoresis GmbH
Carl-Benz-S	Str. 7
D-69115 На	eidelberg
<i>Tel.:</i> +49 6	
FAX: +490 msds info@	5221 13840-10 serva de
T.f.	n demonstra and Dan had Cafeta damanda (T. L.) 40 (2021-120.40.25
Information 1 4 Emorga	n aepartment: Product Safety department 1el.: +49 0221 13840-55 ncv telenhone number:
Medical En	nergency Information in case of poisoning:
Poison Info	rmation Center Mainz - Phone: +49 (0) 6131 19240
(advisory se	ervice in German or English language)
SECTION	
2.1 Classifi Classificati	2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008:
2.1 Classifi Classificati	2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May equise genetic defects
2.1 Classifi Classificati	2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause genetic defects.
2.1 Classifi Classificati Outa. 1B Carc. 1B Pape 2	2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fartility
2.1 Classifi Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1	2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure
2.1 Classifi Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1	2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure.
2.1 Classifi Classificati Classificati Classificati Curc. 1B Repr. 2 STOT RE 1	2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure.
2.1 Classifi Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Contention of the content Acute Tox.	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. GHS07 4 H302 Harmful if swallowed.
2.1 Classifi Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1 STOT RE 1 Carc. 4 Stor Tox. 4 Skin Irrit. 2	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. GHS07 4 H302 Harmful if swallowed. H315 Causes skin irritation.
2.1 Classifi Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1B Carc. 1B Carc. 1B Carc. 1B Carc. 1B Carc. 1B Carc. 1C STOT RE 1 Carc. 1C Carc. 1C Carc	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. GHS07 4 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation.
2.1 Classifi Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1B Repr. 2 Stor Tox. 4 Skin Irrit. 2 Skin Sens. 1	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. GHS07 4 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
2.1 Classifi Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1B Stot RE 1 Carc. 1C Stot RE 1 Carc.	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. GHS07 4 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. I H317 May cause an allergic skin reaction. I enents ccording to Regulation (EC) No 1272/2008: ti s classified and labelled according to the GB CLP regulation. tograms: GHS07, GHS08 t: Danger
2.1 Classifi Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1B Stot Irrit. 2 Skin Irrit. 2 Skin Sens. 1 Carc. 1B Stot Carc. 1 Stot Carc. 1 Stot Carc. 1 Stot Carc. 1 Carc.	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. HS07 4 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. I H317 May cause an allergic skin reaction. I ments ccording to Regulation (EC) No 1272/2008: ti s classified and labelled according to the GB CLP regulation. tograms: GHS07, GHS08 t: Danger
2.1 Classifi Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1B Repr. 2 Skin Irrit. 2 Skin Sens. 1 Carc. 1B Repr. 2 Skin Sens. 1 Carc. 1B Repr. 2 Skin Sens. 1 Carc. 1 Signal word Hazard-detta acrylamide	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. HS07 4 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. Idements coording to Regulation (EC) No 1272/2008: ti s classified and labelled according to the GB CLP regulation. tograms: GHS07, GHS08 t: Danger ermining components of labelling:
2.1 Classifi Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1B Stot RE 1 Carc. 1B Carc. 1D Carc. 1D Carc	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. HS07 4 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. Idements ccording to Regulation (EC) No 1272/2008: tis classified and labelled according to the GB CLP regulation. tograms: GHS07, GHS08 t: Danger ermining components of labelling:
2.1 Classifi Classificati Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1B Repr. 2 Stot Tarc. 1 Skin Irrit. 2 Skin Sens. 1 Carc. 1B Carc. 1B Carc. 1B Repr. 2 Stot Tarc. 1 Stot Tarc. 1 Carc.	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. HS07 4 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. Imments ccording to Regulation (EC) No 1272/2008: ti s classified and labelled according to the GB CLP regulation. tograms: GHS07, GHS08 t: Danger ermining components of labelling:
2.1 Classifi Classificati Classificati Classificati Muta. 1B Carc. 1B Repr. 2 STOT RE 1 Carc. 1B Repr. 2 Stot Repr. 2 Stot Stot Carc. 1B Carc. 1B Repr. 2 Stot Repr. 2 Stot Repr. 2 Skin Irrit. 2 Skin Sens. 1 Carc. 1B Repr. 2 Stot Carc. 1B Repr. 2 Skin Sens. 1 Carc. 1B Repr. 2 Stot Carc. 1B Carc. 1D Carc. 1D C	 2: Hazards identification cation of the substance or mixture on according to Regulation (EC) No 1272/2008: GHS08 H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. HS07 4 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes an allergic skin reaction. Hann to cause an allergic skin reaction. Hannets ccording to Regulation (EC) No 1272/2008: ti s classified and labelled according to the GB CLP regulation. tograms: GHS07, GHS08 t: Danger ermining components of labelling: function.

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	(Contd. of page 1)
H319 Causes s	erious eye irritation.
H317 May cau	se an allergic skin reaction.
H340 May cau	se genetic defects.
H350 May cau	se cancer.
H361f Suspecte	d of damaging fertility.
H372 Causes d	lamage to organs through prolonged or repeated exposure.
· Precautionary s	statements
P201	Obtain special instructions before use.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing
	protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
• Labelling of pa	ckages where the contents do not exceed 125 ml
• Hazard pictogra	ams GHS07, GHS08
· Signal word Da	inger
Hazard dotorm	ining components of labolling:
· muzuru-uerermi acrolamida	nung components of tabetung.
Hazard statema	nute
H317 May cau	nus se an alleroic skin reaction
H340 May cau	se anatic defeats
H350 May cau	se generic dejects.
H361f Suspecte	d of damaging fartility
H372 Causes d	u of aamaging fertility.
D recoution and	unage to organs intolign protonged of repeated exposure.
• Freculionary S	Wear protective gloves/protective electring/ave protection/face protection/hearing
1200	wear protective gloves/protective cloining/eye protection/jace protection/nearing
D301 + D317	protection. IE SWALLOWED: Call a POISON CENTEP/doctor if you feel unwell
$D_{301} + D_{352}$	IF SWALLOWED. Call all OISON CENTERvadcion if you jeet anwell. IF ON SKIN: Wash with planty of soan and water
1302 ± 1332 $2305 \pm 2351 \pm 23$	IT ON SKIN. Wash with pienty of soup and water. 338 IF IN EVES: Pinse equationsly with water for several minutes. Permove contact lenses if
1 303+1 331+1.	present and easy to do Continue ringing
23 Other hazar	present und eusy to do. Continue rinsing.
· 2.5 Other nuzur	us and vPvR assessment:
· Results Of I DI	and VI VD assessment.
$\mathbf{v} \mathbf{P} \mathbf{v} \mathbf{R} \cdot \mathbf{v} \mathbf{P} \mathbf{v} \mathbf{R}$	essment not available
• VI VD • VI VD - U	ssessment not avallable.
SECTION 3:	Composition/information on ingredients
· 3.2 Mixtures	
 Description: aq 	ueous Acrylamide solution
· Dangerous com	iponents:

· Dangerous components:					
CAS: 79-06	6-1	acrylamide	20-40%		
EINECS: 2	201-173-7	 Acute Tox. 3, H301; Muta. 1B, H340; Carc. 1B, H350; Repr. 2, H361f; STOT RE 1, H372; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 			
·SVHC					
79-06-1 acrylamide					
· Additional information					
the product contains no further substances which shall be indicated according to UK REACH-Regulation					
(Regulation (EC) No. 1907/2006).					

For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

• 4.1 Description of first aid measures

- General information:
- Take affected persons out into the fresh air.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- Remove contaminated clothing.
- After inhalation: Supply fresh air and to be sure call for a doctor.
- After skin contact:
- Immediate wash with copious amounts of water and soap; rinse thoroughly; seek medical advice.
- · 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 immediately.

- After swallowing:
- Wash out mouth instantly. Drink copious amounts of water and provide fresh air. Call for doctor immediately.
- 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_2 , 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 or if heated, pressure in the container increases and may burst.

In case of fire, the following can be formed, but not limited to:

Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)

Ammonia (NH₃)

- · 5.3 Advice for firefighters
- **Protective equipment:** Wear self-contained respiratory protective device.
- · Additional information

Collect contaminated fire fighting agent separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting media in accordance with official regulations.

SECTION 6: Accidental release measures

 \cdot 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Ensure adequate ventilation

Avoid contact with the eyes and skin.

- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up Dispose contaminated material as waste according to item 13.

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

- · 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.

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SECTION 7: Handling and storage
SECTION 7: Hundling and storage
 7.1 Precautions for safe handling: CAS 79-06-1 Acrylamide (20 - 40%), skin absorbable. Avoid contact with eyes and skin. Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Keep respiratory protective device available.
 7.2 Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles. Store at +2 to +8 °C Information about storage in one common storage facility: Store away from oxidising agents. Further information about storage conditions: Store under lock and key and with access restricted to technical experts or their assistants only. Keep receptacle tightly sealed and store in dry conditions. Protect from exposure to the light. 7.3 Specific end use(s): No further relevant information available.
SECTION & Exposure controls/nersonal protection
 8.1 Control parameters DMELs DMEL (Acrylamide, CAS No. 79-06-1) systemic long-term effects by inhalation: 0,07 mg/m³ DMEL (Acrylamide, CAS No. 79-06-1) systemic long-term effects, dermal: 0,1 mg/kg/day Components with limit values that require monitoring at the workplace: no further relevant information available
79-06-1 acrylamide (20-40%)
WEL Long-term value: 0.1 mg/m ³ Carc; Sk
 PNECs PNEC (Acrylamide, CAS No. 79-06-1) fresh water for permanent discharge: 0,03 mg/l PNEC (Acrylamide, CAS No. 79-06-1) fresh water for occasiional discharge: 0,3 mg/l PNEC (Acrylamide, CAS No. 79-06-1) sewage treatment plant: 0,2 mg/l Additional information: The lists that were valid during the creation were used as basis.
 8.2 Exposure controls Appropriate engineering controls: No further data; see item 7. Individual protection measures, such as 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. Store protective clothing separately. Avoid contact with the eyes and skin. Breathing equipment: Short term filter device: Filter A/P3 Hand protection: Neoprene gloves PVC gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Protection along
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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

PVC (0.5 mm) *Butyl* (0.5 mm)

max. 8 h

• 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.

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.

• 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:

PVC gloves

Neoprene gloves

- Eye/face protection: Tightly sealed goggles.
- · Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

•9.1 Information on basic physical and chemical particular	roperties
· General Information:	
· Physical state:	Fluid
· Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.
• Melting point/freezing point:	no information available
· Boiling point or initial boiling point and boiling	
range:	no information available
· Flammability:	no information available
· Lower and upper explosion limit:	
· Lower:	no information available
· Upper:	no information available
· Flash point:	no information available
· Decomposition temperature:	no information available
• <i>pH at 20</i> • <i>C</i> :	6-8
· Viscosity:	
· Kinematic viscosity:	no information available
· Dynamic viscosity:	no information available
· Solubility:	
· Water:	Fully miscible
· Partition coefficient n-octanol/water (log value):	no information available
· Vapour pressure:	no information available
· Density and/or relative density:	
· Density:	no information available
· Relative density:	no information available
· 9.2 Other information	
· Appearance:	
· Form:	Solution
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· Important information on protection of	health and
environment, and on safety:	
· Explosive properties:	Product does not present an explosion hazard.
· VOC %:	0.00 %
SECTION 10: Stability and reactivit	ty
10.1 Pagatinitu. Na further relevant info	rmation available
10.1 Keacuvity: No jurner relevant injo 10.2 Chemical stability:	
Thermal decomposition / conditions to 1 10.3 Possibility of hazardous reactions:	be avoided: No decomposition if used according to specifications.
Polymerizes at elevated temperatures oxidizing agents, acids, alkalis)	and upon contact with polymerization initiators (e.g. UV light,
high ttemperatures	
exposure to the light	
· 10.5 Incompatible materials:	
Avoid contact with:	
Oxidizers, acids, bases	the ages of fines. See Section 5
· 10.0 Hazaraous accomposition products	. In case of fire. see section 5
SECTION 11: Toxicological inform	ation
11.1 Information on hoursed classes and	leftered in Recorded on (EC) No. 1979/2009.
Acute toxicity: Harmful if swallowed.	lefined in Regulation (EC) No 1272/2008:
LD/LC50 values that are relevant for cl	assification:
79-06-1 acrylamide	
<i>Oral LD50 177 mg/kg (rat)</i>	
Dermal LD50 1,141 mg/kg (rat)	
Skin corrosion/irritation: Causes skin ir	ritation.
Serious eye damage/irritation: Causes s	erious eye irritation.
Respiratory or skin sensitisation: May c	ause an allergic skin reaction.
Germ cell mulagenicity: May cause gen	enc defects.
Reproductive toxicity: Suspected of dam	aging fertility
• STOT-single exposure • Based on availa	ble data the classification criteria are not met
• STOT-repeated exposure: Causes dama	ge to organs through prolonged or repeated exposure.
Aspiration hazard: Based on available a	lata, the classification criteria are not met.
· Other information (about experimental	toxicology)
Acrylamide, EC Number: 201-173-7, Ca	AS number: 79-06-1, is identified as a carcinogenic and mutagenic
substance according to Article 57 (a) and	d (b) of Regulation (EC) No 1907/2006 (UK REACH).
This corresponds to a classification as a	carcinogen (IB) and mutagen (IB) in Annex VI, part 3, Table 3.1 of
Regulation (EC) No 12/2/2008 (list of he	armonised classification and labelling of hazardous substances).
(ECHA SVHC Support Document - Acryl 11.2 Information on other hazards)	lamide; Page 2)
· 11.2 Information on other nazaras.	
None of the ingredients is listed	
None of the ingreatents is tisted.	
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SECTION 12: Ecological information

- · 12.1 Toxicity:
- · Aquatic toxicity:

CAS 79-06-1 Acrylamide (20-40%), long-term toxicity to fish: NOEC (28 days) > 5 mg/l

- CAS 79-06-1 Acrylamide (20 40%), toxicity to aquatic microorganisms: NOEC: 2 mg/l
- 12.2 Persistence and degradability:
- CAS 79-06-1 Acrylamide (20 40%), screening test (closed bottle test): approximate 100% biodegradable after 28 days.
- CAS 79-06-1 Acrylamid (20 40%), easily biodegradable
- 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:
- **PBT:** PBT assessment not available.
- · **vPvB**: vPvB assessment not available.
- 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects:
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

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

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Disposal must be made according to official regulations.

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

- · Uncleaned packagings:
- · Recommendation:

Disposal of uncleaned packagings must be made according to official regulations in the same manner as the product.

• Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14: Transport information · 14.1 UN number or ID number · ADR, IMDG, IATA UN3426 · 14.2 UN proper shipping name 3426 ACRYLAMIDE SOLUTION · ADR · IMDG, IATA ACRYLAMIDE SOLUTION · 14.3 Transport hazard class(es) · ADR, IMDG, IATA · Class: 6.1 Toxic substances. · Label: 6.1 · 14.4 Packing group · ADR, IMDG, IATA Ш (Contd. on page 8)

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· 14.5 Environmental hazards · Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Toxic substances.
· Hazard identification number (Kemler code):	60
EMS Number:	F-A,S-A
Stowage Category	Α
Stowage Code	SW1 Protected from sources of heat.
Handling Code	H2 Keep as cool as reasonably practicable
14.7 Maritime transport in bulk according to IM	10
instruments	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	2
Tunnel restriction code	E
IMDG	
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
UN ''Model Regulation'':	UN 3426 ACRYLAMIDE SOLUTION, 6.1, III

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

• REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 28, 29, 60

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
- None of the ingredients is listed.

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· National regulations:

· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· Technical instructions (air):

Class	Share in %
Wasser	40-70
II	20-40

• Water hazard class: Water danger class 3 (Self-assessment): extremely hazardous for water.

· Substances of very high concern (SVHC) according to UK REACH

79-06-1 acrylamide

• 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.

- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.

H340 May cause genetic defects.

H350 May cause cancer.

H361f Suspected of damaging fertility.

H372 Causes damage to organs through prolonged or repeated exposure.

· Department issuing SDS: Product safety department

· Contact: +49 6221 13840-35

• Date of previous version: 10.09.2018

• 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 (UK REACH)

vPvB: very persistent, very bioaccumulative substance (UK REACH)

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

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

bw: body weight

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)

PNEC: Predicted No-Effect Concentration (UK REACH)

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 Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

Skin Sens. 1: Skin sensitisation – Category 1

(Contd. on page 10)

⁻ GB

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Trade name: Acrylamide 4x solution

Muta. 1B: Germ cell mutagenicity – Category 1B Carc. 1B: Carcinogenicity – Category 1B Repr. 2: Reproductive toxicity – Category 2 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1 (Contd. of page 9)

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