

Date of issue: 08.01.2020 Replaces Data Sheet of: 19.02.2016  
 "\*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



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

- 1.1 **Product identifier**  
**Trade Name:** PCR Clean™ Spray  
**Article No.:** 15-2025, 15-2200, 15-2001, 15-2002  
**Preparation No.:** n.av.  
**Registration No.:** n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**  
 Identified uses: Ready-to-use solution for eliminating DNA from any surface in a molecular biology laboratory
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**  
 \* Minerva Biolabs GmbH, Schkopauer Ring 13, 12681 Berlin, Germany  
 \* Telephone: +49 30 - 2000 437-0, Telefax: +49 30-2000 437-9, E-Mail: rc@minerva-biolabs.com
- 1.3.2 **Responsible for the data sheet:**  
 CoSiChem AG, Ernst-Lemmer-Straße 23, 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**  
 Emergency - Telephone of Company / Undertaking National Poisons Information Service  
 Giftnotruf München Toxikol. Abteilung, Klinikum rechts der Isar Telephone: +44 121 507 4123  
 Telefon: +49 89 19240; Telefax: +49 89 4140-2467 (24 h)

**SECTION 2: Hazards identification**

- 2.1 **Classification of the substance or mixture**  
 \* None.
- 2.2 **Label elements**  
 \* Classification according to 1272/2008/EC: No.  
 Applicable Exemptions:  
 Signal word(s): n.ap. Hazard pictogram(s):  
 Component(s):
- H - Phrases:**
- P - Phrases:**  
 P234: Keep only in original packaging.
- Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.
- Additional Markings:
- 2.3 **Other hazards**  
 This mixture contains no substances which are assessed to be PBT or vPvB.

**SECTION 3: Composition/information on ingredients**

- 3.1 **Substances**  
 n.ap.
  - 3.2 **Mixtures**  
**Chemical Characterisation:**  
 Mixture; aqueous surfactant solution, acidic.
  - \* **Dangerous Ingredients:**
- | Material  | CAS - No.  | Index - No. | EC - No. | REACH - No. | m% - range        |
|---|------------|-------------|----------|-------------|-------------------|
| <b>Alcohols, C12-14, ethoxylated</b>                          | 68439-50-9 | n.av.       | n.av.    | n.av.       | <b>0,1 – 0,5%</b> |
| Acute Tox. 4; H302 / Eye Dam. 1; H318 / Aquatic Acute 1; H400 |            |             |          |             |                   |

Text of H - phrases: see section 16  
 m% - range: x - y ≙ x ≥ - < y

**Trade Name: PCR Clean™ Spray**

Company / Supplier: Minerva Biolabs GmbH, Schkopauer Ring 13, 12681 Berlin, Germany

Telephone: +49 30 - 2000 437-0, Date of issue: 08.01.2020 Replaces Data Sheet of: 19.02.2016

**SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

In the case of inhalation of aerosol/mist consult a physician if necessary.

**4.1.2 Skin Contact:**

Wash off immediately with plenty of water. If symptoms persist, call a physician.

**4.1.3 Eye Contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

**4.1.4 Ingestion:**

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

Consult a physician if necessary.

**4.2 Most important symptoms and effects, both acute and delayed**

Inhalation of spray mist may cause irritation to mucous membranes.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

High volume water jet.

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

\* In the event of fire the following can be released: oxides of phosphorus, carbon oxides.

**5.3 Advice for firefighters****5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

**5.3.2 Additional Information:**

The product itself does not burn.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

See chapter 8.2.2

Ensure adequate ventilation.

**6.2 Environmental precautions**

Do not contaminate water.

Local authorities should be advised if significant spillages cannot be contained.

**6.3 Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, universal binder, sawdust).

Sweep up and shovel into suitable containers for disposal.

**6.4 Reference to other sections**

None.

**Trade Name: PCR Clean™ Spray**

Company / Supplier: Minerva Biolabs GmbH, Schkopauer Ring 13, 12681 Berlin, Germany  
 Telephone: +49 30 - 2000 437-0, Date of issue: 08.01.2020 Replaces Data Sheet of: 19.02.2016

**SECTION 7: Handling and storage**

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling:**  
 When using, do not eat, drink or smoke.  
 Remove and wash contaminated clothing before re-use.  
 Wash hands before breaks and at the end of workday.  
 Avoid contact with skin and eyes.
- \* Do not breathe vapours or spray mist.
- 7.1.2 **Precautions in Case of Fire and Explosion:**  
 Normal measures for preventive fire protection.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**  
 Keep container tightly closed in a dry and well-ventilated place.
- 7.2.2 **Store away from:**  
 Do not store together with strong bases.
- 7.2.3 **Further Information on Storage Conditions:**  
 None.
- 7.3 **Specific end use(s)**  
 n.av.

**SECTION 8: Exposure controls/personal protection**

- 8.1 **Control parameters**

<b>Material</b>	<b>Limit Value</b>

  
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**  
 Provide appropriate exhaust ventilation at machinery.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** Breathing apparatus needed only when aerosol or mist is formed.  
 \* In case of mist, spray or aerosol exposure wear suitable personal respiratory protection. Recommended filter type: P 2
- 8.2.2b\* **Hand Protection:** Repeated or prolonged exposure: Protective gloves complying with EN 374.  
 \* Nitrile rubber (0,19 mm), butyl-rubber (0,35 mm) break through time > 8 h  
 \* The data about break through time/strength of material are standard values!  
 The exact break through time/strength of material has to be obtained from the producer of the protective glove.  
 Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c\* **Eye Protection:** In case of contact through splashing: safety glasses
- 8.2.2d\* **Skin Protection:** Long sleeved clothing
- 8.2.2e **Further Information:** Observe wearing time limits:
- 8.2.3 **Environmental exposure controls:**  
 n.av.

**Trade Name: PCR Clean™ Spray**

Company / Supplier: Minerva Biolabs GmbH, Schkopauer Ring 13, 12681 Berlin, Germany

Telephone: +49 30 - 2000 437-0, Date of issue: 08.01.2020 Replaces Data Sheet of: 19.02.2016

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

9.1.1	<b>Form:</b> liquid	<b>Colour:</b> colourless	<b>Odour:</b> odourless
*			<b>Odour threshold:</b> n.av.
9.1.2*	pH-value, undiluted:	2,1	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	n.av., Melting point / Melting range (°C): n.av.	
9.1.4	Flash point (°C):	n.av., closed cup	
9.1.5	Flammability (EEC A10/A13):	n.ap.	
9.1.6	Ignition temperature (°C):	n.ap.	
9.1.7	Autoflammability (EEC A16):	None.	
9.1.8	Oxidising properties:	No.	
9.1.9	Explosion hazard:	None.	
9.1.10	Explosion limits (Vol.%) lower:	n.av., upper: n.av.	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	0,999	
9.1.13	Solubility (in Water):	miscible	
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	n.av.	
9.1.16	Solvent content (m %):	n.ap.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	<b>Other information</b>		
	n.av.		

**SECTION 10: Stability and reactivity**

10.1	<b>Reactivity</b> No information available.
10.2	<b>Chemical stability</b> Stable under recommended storage conditions.
10.3	<b>Possibility of hazardous reactions</b> No dangerous reaction known under conditions of normal use.
10.4	<b>Conditions to avoid</b> Handle in accordance with good industrial hygiene and safety practice.
10.5	<b>Incompatible materials</b>
*	Incompatible with bases.
10.6	<b>Hazardous decomposition products</b> No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

**Trade Name: PCR Clean™ Spray**

Company / Supplier: Minerva Biolabs GmbH, Schkopauer Ring 13, 12681 Berlin, Germany  
 Telephone: +49 30 - 2000 437-0, Date of issue: 08.01.2020 Replaces Data Sheet of: 19.02.2016

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

Acute Health Effects:

Inhalation:	n.av.
Ingestion:	n.av.
Skin Contact:	n.av.
Skin corrosion / irritation:	May cause skin irritation in susceptible persons.
Serious eye damage / irritation:	May cause eye irritation with susceptible persons.
Respiratory or skin sensitisation:	n.av.
Germ cell mutagenicity:	n.av.
Carcinogenicity:	n.av.
Reproductive toxicity:	n.av.
STOT-single exposure:	n.av.
STOT-repeated exposure:	n.av.
Aspiration hazard:	n.av.

**11.1.1 – Practical Experience**

11.1.11 n.av.

**11.1.12 Practical Experience**

Observations relevant for classification:  
 None.  
 Further Observations:  
 None.  
 Classification of the preparation has been done by calculation in accordance with EEC directives.

**SECTION 12: Ecological information**

**12.1 Toxicity**

We have no quantitative data concerning the ecological effects of this product.

\* Neutralisation will reduce ecotoxic effects.

**12.2 Persistence and degradability**

No data is available on the product itself.  
 Contained tenside is more than 60% biodegradable.

\* Neutralization is normally necessary before waste water is discharged into water treatment plants.

**12.3 Bioaccumulative potential**

**12.4 Mobility in soil**

n.av.

**12.5 Results of PBT and vPvB assessment**

This mixture contains no substances which are assessed to be PBT or vPvB.

**12.6 Other adverse effects**

12.6.1	COD-Value, mg/g:	n.av.
12.6.2	BOD5-Value, mg/g:	n.av.
12.6.3	AOX-Remarks:	Not applicable.
12.6.4	Significant Components:	None.
12.6.5	Other adverse effects:	Not applicable.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

13.1.1 Recommendation: D10  
 Waste - Code - No.: 20 01 29  
 The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

**13.2 Contaminated Packaging**

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Handle in accordance with good industrial hygiene and safety practice.

13.2.2 Safe Handling: As described under Residues.

**Trade Name: PCR Clean™ Spray**

Company / Supplier: Minerva Biolabs GmbH, Schkopauer Ring 13, 12681 Berlin, Germany  
 Telephone: +49 30 - 2000 437-0, Date of issue: 08.01.2020 Replaces Data Sheet of: 19.02.2016

**SECTION 14: Transport information**

	ADR	IMDG	IATA
*	Not a dangerous substance as defined in the above regulations.		
14.1	<b>UN number</b>		
14.2	<b>UN proper shipping name</b>		
14.3	<b>Transport hazard class(es)</b>		
14.4	<b>Packing group</b>		
14.5	<b>Environmental hazards</b>		
14.6	<b>Special precautions for user</b>		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger)  Packing Instructions (Cargo)
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>		

**SECTION 15: Regulatory information**

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
n.av.
- 15.2 **Chemical safety assessment :**  
n.ap.

**SECTION 16: Other information**

**Text of H phrases mentioned in Section 3**

- H302: Harmful if swallowed.
- H318: Causes serious eye damage.
- H400: Very toxic to aquatic life.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Prepared by: CoSiChem AG, Ernst-Lemmer-Straße 23, 35041 Marburg, info@cosichem.de, +49 6421 97905 0  
 Receipt of Data: 02.02.2016, mib\_0005

