Safety data sheet

according to EU reg. No 2020/878 – CLP No. 1272/2008 – Reach No. 1907/2006

Version 10
Effective date: 01-12-2025

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier:

Trade name: R2A 90 mm CS

Article number: **490.0060**

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

Product use: culture medium

1.3. Details of the supplier of the safety data sheet:

PharmaMedia Dr. Müller GmbH
Gustav-Throm-Str. 1
69168 Leimen
Germany
Phone: +49 (0) 6224 92 80 7 0
Email: info@pmm-leimen.de
Web: www.pmm-leimen.de

1.4. Emergency telephone number:

Universitätsklinikum Freiburg
Vergiftungs-Informations-Zentrum
+49 (0) 761 19240

SECTION 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture according to CLP No 1272/2008:

This substance is not classified as dangerous.

2.2. Label elements:

No hazardous substance or mixture according to CLP No 1272/2008.

2.3. Other hazards:

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

N/A

3.2. Mixtures:

N/A

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

Inhalation:	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact:	Wash skin with plenty of soap and water. Seek doctor if irritation persists.
Eye contact:	Remove contact lenses. Flush eyes with plenty of water for several minutes. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.
Ingestion:	Rinse mouth with drinking water and drink plenty. DO NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed:

None known.

4.3. Indication of any immediate medical attention and special treatment needed:

None known.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media:

Suitable: water spray, carbon dioxide, extinguishing powder, alcohol-resistant foam.
Unsuitable: none known.

5.2. Special hazards arising from the substance or mixture:

Mixture with flammable ingredients. In the event of a fire, hazardous fire gases or vapors are possible.

5.3. Advice for firefighters:

Special protective equipment for firefighters. In the event of a fire, it is independent of the surrounding air.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Use the protective equipment recommended under point 8. Shut off the danger area. Ensure adequate ventilation.

6.2. Environmental precautions:

Do not allow the mixture to enter the sewage system or waters. If this happens, inform the water authorities immediately.

6.3. Method and material for containment and cleaning up:

Take up with suitable device. Dispose of in accordance with section 13. Clean.

6.4. Reference to other sections:

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:

See section 8 for personal protection.
Keep ignitions sources away/ do not smoke.
Good personal hygiene practices should always be observed when working with chemical products.

7.2. Conditions for safe storage, including any incompatibilities:

See label for recommended storage temperature.

7.3. Specific end users:

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters – Occupational exposure limits EH-40 (Great Britain):

Contain no substance with workplace limits

8.2. Exposure controls:

Appropriate technical measures:	N/A
General information:	Smoking, eating, drinking and storing tobacco, food and drinks are not permitted at the workplace. Exposed parts of the body must be washed at every break in product use and at the end of work.
Personal protective equipment:	Only CE-marked personal protection equipment should be used.
Respiratory protection:	Not required, except in case of aerosol formation.
Skin protections:	Wear gloves. EN 374 Glove material: Nitril rubber Glove thickness: 0.11 mm Breakthrough times of glove material: > 480 min.
Eye protection:	Wear tightly safety googles. EN 166
Body protection:	Suitable clothing.
Controlli dell'esposizione ambientale:	Non sono richieste particolari precauzioni.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Physical state:	Solid.
Colour:	Clear, yellowish.
Odour:	Characteristic.
Melting point/freezing point:	Not relevant/no data.
Boiling point:	Not relevant/no data.
Flammability:	Not relevant/no data.
Lower and upper explosion limit:	Not relevant/no data.
Flash point:	Not relevant/no data.
Auto-ignition temperature:	Not relevant/no data.
Decomposition temperature:	Not relevant/no data.
pH:	7.0 – 7.4
Kinematic viscosity:	Not relevant/no data.
Solubility	Not relevant/no data.
Partition coefficient n-octano/water:	Not relevant/no data.
Vapour pressure:	Not relevant/no data.
Density and/or relative density:	Not relevant/no data.
Relative vapour density:	Not relevant/no data.
Particle characteristics:	Not relevant/no data.

9.2. Other information:

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:	No dangerous reaction is known under conditions of normal use and storage.
10.2. Chemical stability:	Stable under normal conditions (room temperature).
10.3. Possibility of hazardous reactions:	No dangerous reactions are expected when used as intended.
10.4. Conditions to avoid:	None known.
10.5. Incompatible materials:	None known.
10.6. Hazardous decomposition products:	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	Not classified.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified.
Respiratory or skin sensitisation:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific target organ toxicity – single exposure:	Not classified.
Specific target organ toxicity – repeated exposure:	Not classified.
Aspiration hazard:	Not classified.

11.2. Information on other hazards:

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:	Not classified as dangerous for the environment.
12.2. Persistence and degradability:	No information available.

12.3. Bioaccumulative potential:	No information available.
12.4. Mobility in soil:	The product contains substances that are soluble in water and spread in the aquatic environment.
12.5. Result of PBT and vPvB assesment:	This substance does not meet the criteria for PBT or vPvB according to regulation.
12.6. Endocrine disrupting properties:	The product/substance has no endocrine disrupting properties.
12.7. Other adverse effects:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Avoid release to the environment.
Dispose in a safe manner in accordance with local/national regulations.
The coding of a waste stream is based on the application of the product by the consumer – end-user.

EWC-code: N/A

Contaminated packaging: N/A

SECTION 14: TRANSPORT INFORMATION

This product is not classified as dangerous for transport.

	ADR/RID	**IMFG/IMO**
14.1. UN Number or ID number	Not relevant	Not relevant
14.2. UN proper shipping name	Not relevant	Not relevant
14.3. Transport hazard class(es)	Not relevant	Not relevant
14.4. Packing group	Not relevant	Not relevant
14.5. Environmental hazards – **MP EmS:**	No Not relevant	No Not relevant
Other information	LQ: Not relevant Tunnel: Not relevant	LQ: Not relevant Tunnel: Not relevant

14.6. Special precautions for user:	Not relevant
14.7. Maritime transport in bulk according to IMO instruments:	Not relevant

SECTION 15: REGULATORY INFORMATION

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

No chemical safety assessment is required for the substance.

National regulations:	None.
Water hazard class:	None.
Solvent Regulation:	None.
Incident Regulation	None.
Technical Guide Air	None.
Storage Class:	10 – 13

15.2. Chemical safety assessment: Not necessary.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

Abbr.	Descriptions of possible used abbreviations
AND	European Agreement concerning the International Carriage of Dangerous Goods by Inland Navigation
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Inland Navigation on the Rhine
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/dock/open-government-licence/)
EINECS	European inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
GHS	"Globally Harmonized System of Classification and Labeling of Chemicals" developed by the United Nations
IATA	International Air Transport Association

IATA/DGR	Dangerous Goods Regulations (DGR) for air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
RID	International regulations concerning the transport of dangerous goods by railways
STEL	Short-term exposure limit
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Disclaimer:

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. This information is intended to give you indications for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.