

Material Safety Data Sheet (MSDS)

Prepared according to Regulation EC No. 1907/2006

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

Product name: **Poly(A)**

Product number: 4001-1, 4001-100

Relevant identified uses: laboratory chemical, for R&D use only.

Uses advised against: undefined

Supplier:

A&A Biotechnology

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Emergency number: 112

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline

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

Laboratory chemicals, Manufacture of substances

2. HAZARDS IDENTIFICATION

Classification and labelling according to regulation (EC) No. 1272/2008

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Polyadenylic acid, poly(A)lyophilized potassium salt

CAS no.: 26763-19-9

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

General advice: Consult a physician. Do not leave the injured person unattended. Show this safety data sheet to the doctor in attendance.

If inhaled: Remove the injured person to fresh air. If unconscious, provide a comfortable position and seek medical advice. If symptoms persist, call a doctor.

In case of skin contact: Rinse well with water.

In case of eye contact: Immediately flush eyes with plenty of water. Remove contact lenses. Protect the undamaged eye. If eye irritation persists, consult a specialist.

If swallowed: Keep airways clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a doctor. Rinse mouth with water.

Indication of any immediate medical attention and special treatment needed: no data available

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use extinguishing media appropriate to local conditions and the environment.

Special hazards arising from the substance or mixture: Carbon oxides

Nitrogen oxides (NOx)

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid dust formation.

Environmental precautions: Local authorities should be notified if a major release cannot be contained.

Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Do not eat, drink or smoke in the area of application.

Conditions for safe storage, including any incompatibilities: Provide adequate ventilation where dust is generated.

Recommended storage temperature: -20 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Components with workplace control parameters.

Exposure controls

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it..

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: solid, (lyophilized)
Odour:	no data available
no data available	no data available
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available

Flammability (solid, gas)	It keeps the fire burning
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	soluble
Decomposition temperature	no data available
Viscosity	no data available
Oxidizing properties	has not been classified as oxidizing
Particle characteristics	not applicable

Other information:

No data

10. STABILITY AND REACTIVITY

Reactivity: no data available

Stability: The product is chemically stable when used and stored correctly.

Possibility of hazardous reactions: no data available

Conditions to avoid: Exposure to moisture

Incompatible materials: no data available

Hazardous decomposition products: Carbon oxides, Nitrogen oxides (NO_x)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:	no data available
Skin corrosion/irritation:	no data available
Serious eye damage/eye irritation:	no data available
Respiratory or skin sensitization:	no data available
Germ cell mutagenicity:	no data available
Carcinogenicity:	
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	no data available
Specific target organ toxicity - single exposure:	no data available
Specific target organ toxicity - repeated exposure:	no data available
Aspiration hazard:	no data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Endocrine disrupting properties

None of the ingredients are listed.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12. ECOLOGICAL INFORMATION

Toxicity:	no data available
Persistence and degradability:	no data available
Bioaccumulative potential:	no data available
Mobility in soil:	no data available
Results of PBT and vPvB assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher
Endocrine disrupting properties:	None of the ingredients are listed.
Other adverse effects:	no data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Waste treatment of containers/packaging: It is a dangerous waste; only packages which are approved (e.g. acc. to ADR) may be used.

Relevant provisions relating to waste: The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. W

Sewage disposal-relevant information: Do not empty into drains. Avoid release to the environment.

Remarks: Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

14. TRANSPORT INFORMATION

UN number or ID number

ADR/RID/ADN: -

IMDG: -

ICAO-TI: -

UN proper shipping name

ADR/RID/ADN: -

IMDG: -

ICAO-TI: -

Transport hazard class(es)

ADR/RID/ADN: -

IMDG: -

ICAO-TI: -

Packing group

ADR/RID/ADN: -

IMDG: -

ICAO-TI: -

Environmental hazards

ADR/RID/ADN: no

IMDG: Marine pollutant: no

ICAO-TI: no

Special precautions for user: no data available

Maritime transport in bulk according to IMO instruments: The cargo is not intended to be carried in bulk

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008.

Alignment to regulation: Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. A&A Biotechnology, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

MSDS has been prepared in accordance with EC regulation 1272/2008/EC and other European Union legislation in force.

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

DISCLAIMER: For R&D use only. Not for drug, household or other uses.