

Material Safety Data Sheet (MSDS)

Prepared according to Regulation EC No. 1907/2006

Revision date: 27.02.2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

Product name: **JO-FI competent cells**

Product number: 1033-20, 1033-40

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

Uses advised against: undefined.

Supplier:

A&A Biotechnology

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80-299 Gdańsk, Poland

phone: +48 883 323 761

e-mail: info@aabiot.com

Emergency number: 112

REACH no: 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

JO-FI competent cells
pUC19 control DNA
SOC medium

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

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance.

If inhaled: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

In case of skin contact: Rinse skin with water. Immediate medical attention is not required.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: No data available

Advice for firefighters: Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Use personal protection equipment.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling: Use personal protective equipment as required. No special handling advice is necessary.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep the container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -80 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

General industrial hygiene practice. Contains no substances with occupational exposure limit values

Personal protective equipment

Respiratory protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate standards.

Eye/face protection: Tight sealing safety goggles

Skin protection: Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

Body Protection: Wear suitable protective clothing.

Control of environmental exposure: No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Odor:	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)	no data available
Upper/lower flammability or explosive limits	no data available
Auto-ignition temperature	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	no data available
Water solubility	no data available

Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

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: no data available

Incompatible materials: no data available

Hazardous decomposition products: Other decomposition products - no data available

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.