

Safety Data Sheet



Recombinant Human Interleukin-2 (rhIL-2)
Version 1.0
Date of compilation: 2016/09/22

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

1.1. Product identifier

Product form: Mixture
Product name: **Recombinant Human Interleukin-2 (rhIL-2)**
Expressed in CHO mammalian cells, glycosylated and non-glycosylated
Product code(s): IL2.130411.1 / IL2.130411.2 / IL2.130411.3

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

Recommended use: For research use only. Not intended for diagnostic or therapeutic procedures.
Uses advised against: No information available.

1.3. Details of the supplier of the safety data sheet

Immunservice GmbH

Christoph-Probst-Weg 4
20251 Hamburg, Germany
Tel.: +49 (0)40 / 611 35 184
Fax: +49 (0)40 / 380 178 572 79
E-mail address of competent person responsible for the SDS:
support@immunservice.com
<http://www.immunservice.com>

1.4. Emergency telephone number

Emergency telephone number: Immunservice GmbH
+49 (0)40 / 611 35 184
Only available during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Labelling according to Regulation (EC) No 1272/2008 [CLP]:
The product does not meet the criteria for labelling in accordance with Regulation (EC) No 1272/2008 [CLP] or according to the relevant national laws. We recommend treating all chemicals with caution.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:
The product does not meet the criteria for labelling in accordance with Regulation (EC) No 1272/2008 [CLP] or according to the relevant national laws.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

The product contains no substances that are to be considered in the present concentrations as hazardous to health or environment within the meaning of Regulation (EC) No 1272/2008 [CLP].

SECTION 4: First aid measures

4.1. Description of first aid measures

After skin contact: Remove contaminated clothes and shoes. Wash all exposed skin areas immediately with soap and plenty of water.

After inhalation: Move to fresh air. Allow the victim to rest. If you feel unwell, seek medical advice.

After eye contact: Immediately flush eye(s) with plenty of water. After initial flushing, remove any contact lenses and continue to flush eye(s) for at least 15 minutes. Obtain medical attention if pain, blinking or redness persist.

After ingestion: Rinse mouth with water. Drink plenty of water. Do NOT induce vomiting. Obtain emergency medical attention.

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

No information available.

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

Treat according to symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product itself is not flammable. Take extinguishing measures according to fire conditions.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Firefighting instructions: No information available.

Protection for fire-fighters: Do not enter fire area without wearing self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Soak up spills with inert absorbent material.

6.4. Reference to other sections

Safe Handling: Please see section 7.
Personal Protective Equipment: Please see section 8.
Disposal: Please see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good hygiene and safety practice. Avoid contact with skin and eyes. Wash hands and other exposed areas after finishing work.

7.2. Conditions for safe storage, including any incompatibilities

Keep in properly labeled container. Recommended quality-related storage temperature: -20°C - -80°C

7.3. Specific end use(s):

Cultivation and activation of cells. For research use only. Not intended for diagnostic or therapeutic procedures.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Product contains no occupational exposure limits.

8.2. Exposure controls

Avoid all unnecessary exposure. Handle in accordance with good hygiene and safety practice. Ensure adequate ventilation.

Appropriate engineering controls:

No information available.

Personal protective equipment:

Hand protection: Tested protective gloves are to be worn (DIN EN 374). Suitable material: NBR (Nitrile rubber) chemical resistant gloves have to be chosen depending on specific concentration and quantity of the dangerous substance/preparation at workplace. Chemical resistance of protective equipment has to be clarified with the supplier. Test suitability of gloves before use. If gloves are to be reused, wash gloves prior to removal and store at a well ventilated area.

Eye protection: Recommendation: Safety glasses with side-shields (frame goggles, DIN EN 166).

Respiratory protection: No personal respiratory protective equipment normally required. Respiratory protection required when vapours/aerosols/dusts are generated. Filter respirator (full mask or mouth-piece) with filter: A1P2.

Other information: Do not eat, drink or smoke while using this product. Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state @20°C:	Liquid
Appearance:	clear
Odor:	No information available
Odour threshold:	No information available
pH:	No information available
Melting point/freezing point:	No information available
Initial boiling point and boiling range:	No information available
Flash point:	No information available
Evaporation rate:	No information available
Flammability (solid, gas):	No information available
Upper/lower flammability or explosive limits:	No information available
Vapour pressure:	No information available
Vapour density:	No information available
Relative density:	No information available
Solubility(ies):	No information available
Partition coefficient: n-octanol/water:	No information available
Auto-ignition temperature:	No information available
Decomposition temperature:	No information available
Viscosity:	No information available
Explosive properties:	No information available
Oxidising properties:	No information available

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None if handled and stored according to specification.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal usage conditions.

SECTION 11: Toxicological information

10.1. Information on toxicological effects

Acute toxicity:	Based on available data the classification criteria are not met.
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitization:	Based on available data the classification criteria are not met.
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Based on available data the classification criteria are not met.
Summary of evaluation of the CMR properties:	Based on available data the classification criteria are not met.
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Based on available data the classification criteria are not met.
Additional information:	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Based on the data available, the preparation is not expected to present significant adverse environmental effects.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local, state and federal environmental regulations. Completely emptied

packages may be recycled.

SECTION 14: Transport information

Not a hazardous material with respect to these transportation regulations.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Additional information: Transport in accordance with local, state, and federal regulations.

SECTION 15: Regulatory information

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

No information available.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

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Additional information for users (Disclaimer): The information provided in this Safety Data Sheet was acquired by diligent investigation and is believed to be correct to the best of our knowledge at the date of publication. The information should not be considered all-inclusive and is applicable to the product as a guide with regard to appropriate safety precautions in handling, usage, processing, storage, transportation, disposal and release. The information provided relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes, unless specified in the data sheet. All materials and mixtures may present unknown hazards and should be treated with caution. Immunservice shall not be held liable for any damage resulting from handling or from contact with the above product. The

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