Creation Date: 01-04-2004
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MATERIAL SAFETY DATA SHEET
FOR ANIMAL CELL CULTURES (Biosafety level 1 or 2)

A. Biological Product and Company Identification

Material name
Recombinant HEK293 cells (Biosafety level 2) or recombinant CHO-K1 cells (Biosafety level 1).

Identification of the company
CreaCell, 5 avenue du Grand Sablon, 38700 La Tronche, FRANCE
Technical support: +33(0)476 637 589

Emergency websites
http://www.monteregie.gouv.qc.ca/servicesauxcitoyens/sante/centreantipoison.htm
http://www.centres-antipoison.net
www.aiims.edu/aiims/departments/NPIC/NPICIntro.htm
http://www.bbges.de
http://www.npis.org/
http://health.ucsd.edu/specialties/poison.htm
www.j-poison-ic.or.jp

B. Composition / Information on Ingredients

Hazardous component(s)
Dimethyl Sulfoxide 10%

Non-hazardous component(s)
Fetal Bovine Serum 90%
Inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water (traces)

C. Hazards Identification

Emergency Overview
May cause eye/skin irritation.
May cause irritation of respiratory tract.
May cause irritation of the mucous membranes.
May be harmful by inhalation, in contact with skin and if swallowed.

Target Organs
Skin. Eyes.

D. First Aid Measures

Skin contact Wash off immediately with soap and plenty of water.
Eye contact Immediately flush eyes with plenty of water for at least 10 minutes.
Inhalation Move to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.
Ingestion If swallowed, rinse mouth with water (only if the person is conscious).
General advice In case of feeling unwell: consult a physician.

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E. Fire Fighting Measures

Not applicable.

F. Accidental Release Measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Soak up with inert absorbent material. Clean contaminated surface thoroughly. Keep in suitable and closed containers for disposal.

G. Handling and Storage

Handling

Use only in well-ventilated areas. Do not breathe vapours/dust. Wear personal protective equipment. Avoid contact with skin and eyes.

Handle as a potentially biohazardous material under at least **Biosafety Level 2** containment.

Storage

Keep container tightly closed in a dry and well-ventilated place.

H. Exposure Controls / Personal Protection

Engineering measures to reduce exposure

Provide adequate ventilation.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Keep away from food and drink. Wash hands and face before breaks and immediately after handling the product.

Respiratory protection

Not applicable.

Hand protection

Protective gloves.

Eye protection

Goggles or safety glasses with side-shields

Skin and body protection

Lab coat

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I. Physical, Chemical and Biological Properties

Color

Pink or red aqueous liquid

Odor

none

Important health, safety and environmental information

For Biosafety Level 1 Cell Lines (eg. recombinant CHO-K1 cells)
These cell lines are not known to harbor an agent known to cause disease in healthy adult humans. These cell lines have NOT been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents. Handle as a potentially biohazardous material under at least Biosafety Level 1 containment.

For Biosafety Level 2 Cell Lines (eg. recombinant HEK293 cells)
These cell lines are known to contain an agent that requires handling at Biosafety Level 2 containment *(*Richmond JY, McKinney RW (editors) (1999)*. Biosafety in Microbiological and Biomedical Laboratories)*. These agents have been associated with human disease. These cell line have NOT been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents.

J. Reactivity Information

Stable. Hazardous polymerization will not occur.

K. Disposal Considerations

In accordance with local and national regulations

L. Other Information

Recommended use

For in vitro use only. Special precautions or comments:
CreaCell recommends that appropriate safety procedures be used when handling a cell line. Detailed discussions of laboratory safety procedures are provided in Laboratory Safety: Principles and Practice (Fleming, et al., 1995) the ATCC manual on quality control (Hay, et al., 1992), the Journal of Tissue Culture Methods (Caputo, 1988), and in the U.S. Government Publication, Biosafety in Microbiological and Biomedical Laboratories (CDC, 1999).

Disclaimer

The information provided in this Material Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. CreaCell shall not be held liable for any damage resulting from handling or from contact with the product.

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