



MATERIAL SAFETY DATA SHEET

Product name: FISH-grade cot
 Revision number: 1.0
 Date of revision: 2007, August 02

I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the product

Name: FISH-grade cot
 Product code: LK057 (A)
 Part of Product(s): KB-cot

Produced and marketed by

KREATECH Biotechnology B.V.
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Intended use:

FISHcot DNA can be used to suppress cross-hybridization to human repetitive DNA when human DNA probes are hybridized *in situ*.

Emergency information:

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II. COMPOSITION / INFORMATION ON COMPONENTS

Composition/information on ingredients

Name	Mol form	CAS number	%	EG nr
Deoxyribonucleic acid from human placenta	Nucleic Acids	N.A	0.1	N.A

III. IDENTIFICATION OF HAZARDS

Can cause irritation to the skin, eyes and respiratory tract. Can be harmful through skin absorption or when swallowed or inhaled.

IV. FIRST AID MEASURES

EXPOSURE	SYMPTOMS	FIRST AID MEASURES
Inhalation	No data available.	If vapors, mists, or sprays of this product are inhaled, remove contaminated person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Eye contact	No data available.	Immediately flush eyes with plenty of water for at least 15 minutes, keep eyelids wide open. Get medical attention if irritation occurs.
Skin contact	No data available.	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persist.
Ingestion	No data available.	Make victim drink plenty of water. Seek medical advice. Never give anything by mouth to an unconscious person.
Note to Physician		No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical conditions of the patient.

V. FIRE FIGHTING MEASURES

- **Suitable extinguishing media:**
Water, dry chemical powder, foam or appropriate extinguisher.
- **Special fire fighting procedure:**
Wear self contained breathing apparatus and protective clothing.
- **Hazardous combustion or decomposition products:**
Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds.
- **Fire and explosion hazards:**
Not flammable.

VI. MEASURES TO BE TAKEN AFTER ACCIDENTIAL RELEASE OF THE SUBSTANCE/PREPARATION

Use appropriate protective equipment and methods to clean spilled substance promptly. Absorb spill onto an appropriate material. Wash with soap and water. Do not allow to enter sewage system and collect and dispose of all waste in accordance with applicable laws.

VII. INFORMATION ON HANDLING, STORAGE, TRANSPORT AND DISPOSAL CONSIDERATIONS

- **Handling information**
Keep closed and in the dark when not in use.
- **Stability**
The product is stable when stored under the recommended conditions.
- **Reactivity**
No reaction with water.
- **Storage information**
Store closed at 2-8 °C.
- **Transport information**
No special requirements.
- **Disposal considerations**
Consult either the local, state or national authorities in charge or approved waste disposal companies, for advice on how to dispose biological waste.

VIII. PERSONAL PRECAUTIONS AND PROTECTION

- **Personal precautions**
Follow safe laboratory practices; the usual precautions, taken when handling chemicals, should be observed. We recommend that this product is handled only by those persons who have been trained in laboratory techniques and that it is used in accordance with the principles of good laboratory practice. As all chemical substances should be considered as potentially hazardous, wear suitable protective clothing such as a lab coat, safety glasses and gloves when handling the fluid.
- **Personal protection**
Respiratory protection: not required.
Skin protection: required; wear suitable protective clothing and gloves
Eye protection: required; wear safety glasses or goggles.

IX. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** liquid, colorless
- **Odor:** Odorless

- **Other parameters with regard to health, safety and environment**
 - pH: not tested
 - Viscosity_{dynamic} (20°C): not tested
 - Boiling range: not tested
 - Melting range: not tested
 - Auto flammability: not tested
 - Flashing point: not tested
 - Explosion limits: not tested
 - Relative density: not tested
 - Solubility in water: high
 - Solubility in methanol: not tested
 - Solubility in fat: not tested
 - Log P(o/w): not tested

X. STABILITY AND REACTIVITY

The product is stable when stored under the recommended conditions

- **Conditions to avoid:** N.A.
- **Substances to avoid:** Nucleases
- **Dangerous Products of Decomposition:** N.A

XI. TOXICOLOGICAL INFORMATION

- **Effect of decomposition products:** No data available.
- **Potential Hazards:** See section III
- **Carcinogenicity:** No data available.
- **Chronic effects:** No data available.

XII. ECOLOGIC INFORMATION

- **Ecotoxic effects:** No data available.
- **Biologic persistence / degradation:** No data available.
- **Mobility:** No data available.
- **Behavior in environment:** No data available.

XIII. DISPOSAL CONSIDERATIONS

Do not dump in any sewers, on the ground or into any body of water. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. Consult either the local, state or national authorities in charge or approved waste disposal companies, for advice on how to dispose of special waste.

XIV. TRANSPORT INFORMATION

Not subject to transport regulations

XV. REGULATIONS

EEC Risk statements: i.e.:

- **S20/21:** When using do not eat, drink or smoke.
- **S 24/25:** Avoid contact with skin and eyes.
- **S36/37:** Wear suitable protective clothing and gloves.

XVI. OTHER INFORMATION

N.A.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product. We make no warranty express or implied, with respect to the information and assume no liability. Product users should determine the suitability of this information for their own uses.