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Dear Valued Customer:

In an effort to better serve you, Applied Biosystems is revising the look and feel of our Material Safety Data Sheets, (MSDSs). In addition, we will now be supplying MSDSs for materials which are classified as “non-hazardous” as defined by the Dangerous Substances and Dangerous Preparations Directives, 67/548/EEC and 88/379/EEC respectively, (EU), and the OSHA Hazard Communication Standard, 29 CFR 1910.1200 (U.S.). As always, MSDSs will be available in multiple languages. In the coming months, we will be implementing a system whereby you will be able to choose your preferred method for MSDS delivery. Your delivery options are as follows:

By E mail
By FAX

Please take a few minutes to send an e-mail to: MSDS_Inquiry_CCRM@appliedbiosystems.com to let us know your preference. Type “MSDS Delivery” in the subject line and include your preference in the body of the letter along with your full name, Company or Institution, and your preferred E-mail address or FAX number as applicable. **Please choose only one option.** Alternatively, you may print out this letter, circle your preference from the list above, and mail it to the address below. Please include your full name, Company or Institution, and E-mail address or FAX number as applicable on this letter.

In the meantime, you will continue to receive your document(s) along with your order if it is the first order of the calendar year, or when the MSDS has undergone a major revision. MSDSs are also available on our website.

For AB products, please visit: <http://docs.appliedbiosystems.com/msdssearch.html>.
For Ambion products, please visit: <http://www.ambion.com/techlib/msds>

If you are a Distributor or Dealer of Applied Biosystems Products:

As the last supplier in the chain who provides hazardous substances to a place of work, you have the responsibility to provide a Material Safety Data Sheet (MSDS) and any updated hazard information from our company to your customers. You are required to send the MSDS to your downstream users prior to or with the initial delivery of a hazardous substance. When an MSDS is revised, a copy of the revised MSDS should be sent to the purchaser as soon as it is revised.

Should you have any questions, feel free to contact us via email at:
MSDS_Inquiry_CCRM@appliedbiosystems.com or call 650-638-5635 (USA)

Thank you for your continued business.

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Revision Date: 5-Jan-07
Version 1.0

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

Identification of the substance/preparation

Product name 25X TAE
Product code AM9870

Company/Undertaking Identification

APPLIED BIOSYSTEMS
7 KINGSLAND GRANGE, WOOLSTON WARRINGTON,
CHESHIRE, WA1 4SR
UNITED KINGDOM

24 hour Emergency Response (Transport): 1-800-424-9300
Outside of the U.S. +1-703-527-3887

Product Use Description: For research use only. Not for diagnostic procedures.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

No dangerous ingredients according to Regulation (EC) No. 1907/2006

3. HAZARDS IDENTIFICATION

Classification

In accordance with Directive 1999/45/EC, the product does not need to be classified nor labeled.

Classified according to the criteria of Worksafe Australia

Indication of danger

Not hazardous

Principle Routes of Exposure/

Potential Health effects

Eyes	No information available.
Skin	No information available.
Inhalation	No information available.
Ingestion	No information available.

Specific effects

carcinogenic effects	No information available
mutagenic effects	No information available
Reproductive toxicity	No information available
sensitisation	No information available

Target Organ Effects

No information available

4. FIRST AID MEASURES

Skin contact	Wash off immediately with plenty of water. Consult a physician if necessary.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Notes to physician	Treat symptomatically..

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water. foam. dry chemical. carbon dioxide (CO2).
Special protective equipment for firefighters	Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling	No special handling advice required. Always wear recommended Personal Protective Equipment.
Storage	Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

We are not aware of any national exposure limit.

Engineering measures

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment
Hand protection	Impervious gloves.
Eye protection	safety glasses with side-shields
Skin and body protection	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form liquid

Important Health Safety and Environmental Information

Boiling point/range	°C no data available	°F no data available
Melting point/range	°C no data available	°F no data available
Flash point	°C no data available	°F No data available
Autoignition temperature	°C no data available	°F no data available
Oxidising properties	No information available	

Water solubility no data available

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions
Materials to avoid None.
Hazardous decomposition products Carbon oxides.
polymerization None under normal processing

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure/ Potential Health effects

Eyes No information available.
Skin No information available.
Inhalation No information available.
Ingestion No information available.

Specific effects

carcinogenic effects No information available
mutagenic effects No information available
Reproductive toxicity No information available
sensitisation No information available

Target Organ Effects

No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants
Mobility No information available.
Biodegradation No information available.
Bioaccumulation No information available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA-DGR Not classified as dangerous in the meaning of transport regulations

IMDG Not classified as dangerous in the meaning of transport regulations

ADR Not classified as dangerous in the meaning of transport regulations

15. REGULATORY INFORMATION

International Inventories

Chemical Name	EINECS	ELINCS	ENCS	PICCS
None	-	-	-	-

WHMIS hazard class:

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet