SAFETY DATA SHEETS

This SDS packet was issued with item:

078816223

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078815637 078815645 078816215

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/20/2005 *Reviewed on 01/20/2005*

1 Identification of substance

· **Product details**

· **Trade name:** ***Encephalomyelitis-Influenza Vaccine, Eastern and Western, Killed Virus, Tetanus Toxoid***
EQUINE EWTF

· **Item number:** *2422, 2423, 3422*

· **Manufacturer/Supplier:**
Merial Limited
3239 Satellite Blvd.
Duluth, Ga. 30096-4640
1-888-MERIAL 1 (1-888-637-4251)

· **Information department:** *MSDS Coordinator*
· **Emergency information:**
Spill Information:
CHEMTREC® 1-800-424-9300
CHEMTREC® International 1+703-527-3887
International calls 011+703-527-3887
Reverse charges.

2 Composition/Data on components

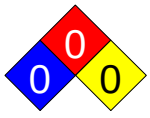
· **Chemical characterization**
· **Description:** *Mixture: consisting of the following components.*

· **Components:**		
	Non hazardous substance	*99.9%*
54-64-8	*Thimerosal*	*>0.1%*

· **Vaccine components** *This product is a vaccine (biological) for use in horses.*

3 Hazards identification

· **Hazard description:** *Not applicable.*
· **Classification system:**
The classification was made according to the latest editions of international substances lists, and from company and regulatory data.
· **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

Obtained by Global Safety Management, 1-813-435-5161 - www.GSMSDS.com

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/20/2005 Reviewed on 01/20/2005

Trade name: Encephalomyelitis-Influenza Vaccine, Eastern and Western, Killed Virus, Tetanus Toxoid EQUINE EWTF

· **HMIS-ratings (scale 0 - 4)**

HEALTH 0	Health = 0
FIRE 0	Fire = 0
REACTIVITY 0	Reactivity = 0

4 First aid measures

· **General information:** No special measures required.
· **After inhalation:** Not an expected route of entry.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for a minimum of 15 minutes under running water. Get medical attention immediately.
· **After swallowing:** Immediately call a doctor.

5 Fire fighting measures

· **Suitable extinguishing agents:** Water spray, carbon dioxide, foam or dry chemical powder.
· **Protective equipment:**
Fire fighters should wear self-contained breathing apparatus and full protective equipment.

6 Accidental release measures

· **Person-related safety precautions:** Not required.
· **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
· **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section XIII.
To clean spills or contamination use 1:30 dilution of household bleach.
· **Additional information:** No dangerous substances are released.

7 Handling and storage

· **Handling:**
· **Information for safe handling:**
Store in cool, dry place in tightly closed containers.
Handle with care. Avoid jolting and impact.
· **Information about protection against explosions and fires:** No special measures required.

· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store only in the original container.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Store in a cool, dry, well ventilated place.

Obtained by Global Safety Management, 1-813-435-5161 - www.GSMSDS.com

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/20/2005 Reviewed on 01/20/2005

Trade name: Encephalomyelitis-Influenza Vaccine, Eastern and Western, Killed Virus, Tetanus Toxoid EQUINE EWTF

· **Recommended storage temperature:**
35-45ºF (2-7ºC)
CAUTION: Do not freeze

8 Exposure controls and personal protection

· **Components with limit values that require monitoring at the workplace:**	
54-64-8 Thimerosal	
NIOSH REL	See Mercury, Aryl

· **Personal protective equipment:**
· **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or inhale.
Do not store food in the working area.
· **Protection of hands:** Not required under normal conditions of use.
· **Eye protection:** Safety goggles.

9 Physical and chemical properties

· **General Information**	
Form:	Liquid
Color:	Clear
Odor:	Odorless
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· **Flash point:**	Not applicable.
· **Auto igniting:**	Product is not self-igniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Specific gravity:**	Not determined.
· **Solubility in / Miscibility with Water:**	Fully miscible.
· **Solvent content:**	0 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Dangerous reactions** No dangerous reactions known.

Obtained by Global Safety Management, 1-813-435-5161 - www.GSMSDS.com

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/20/2005 Reviewed on 01/20/2005

Trade name: Encephalomyelitis-Influenza Vaccine, Eastern and Western, Killed Virus, Tetanus Toxoid EQUINE EWTF

· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** No irritating effect known.
· **on the eye:** No irritating effect known.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**
· **Recommendation:** Incinerate in an EPA approved facility for the incineration of mercury.
· **Waste disposal key:**
D009 - Waste MEDICINE, LIQUID, TOXIC, 6.1, UN1851, PGIII (Vaccines with thimerosal)

· **Uncleaned packagings:**
· **Recommendation:** Incinerate in an EPA approved facility for the incineration of mercury.
· **Recommended cleansing agent:** To clean spills or contamination use 1:30 dilution of household bleach.

14 Transport information

· **DOT regulations:**
· **Hazard class:** -

· **Land transport ADR/RID (cross-border):**
· **ADR/RID class:** -

· **Maritime transport IMDG:**
· **IMDG Class:** -
· **Marine pollutant:** No

Obtained by Global Safety Management, 1-813-435-5161 - www.GSMSDS.com

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/20/2005 Reviewed on 01/20/2005

Trade name: Encephalomyelitis-Influenza Vaccine, Eastern and Western, Killed Virus, Tetanus Toxoid EQUINE EWTF

· **Air transport ICAO-TI and IATA-DGR:**
· **ICAO/IATA Class:** -

15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**
54-64-8 Thimerosal

· **CA Proposition 65**

· **Chemicals known to cause cancer:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity:**
None of the ingredients are listed.

· **Carcinogenesis potential categories**

· **EPA (Environmental Protection Agency)**
None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**
None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**
None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **Product related hazard informations:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.

· **Safety phrases:**
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

Obtained by Global Safety Management, 1-813-435-5161 - www.GSMSDS.com

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/20/2005 *Reviewed on 01/20/2005*

Trade name: Encephalomyelitis-Influenza Vaccine, Eastern and Western, Killed Virus, Tetanus Toxoid EQUINE EWTF

· ***Water hazard class:*** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· ***Department issuing MSDS:*** *MSDS Coordinator*
· ***Contact:*** *MSDS Coordinator, msds@merial.com*

USA

Obtained by Global Safety Management, 1-813-435-5161 - www.GSMSDS.com

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 06/23/2010 *Reviewed on 06/23/2010*

1 Identification of substance

· **Product details**

· **Trade name: MERIAL EWT**

· **Manufacturer/Supplier:**
Merial Limited
3239 Satellite Blvd.
Duluth, Ga. 30096-4640
1-888-MERIAL 1 (1-888-637-4251)
· **Emergency information:**
Spill Information:
CHEMTREC® 1-800-424-9300
CHEMTREC® International 1+703-527-3887
International calls 011+703-527-3887
Reverse charges.

2 Composition/Data on components

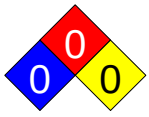
· **Chemical characterization**

· **Components:**	
Non hazardous inert ingredients	*99.99 %*

· **Vaccine components**
Diluent component contains – Encephalomyelitis, Eastern & Western, Killed virus; and Tetanus Toxoid killed antigen in saline diluent
· **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

3 Hazards identification

· **Hazard description:** *Not applicable.*
· **Information pertaining to particular dangers for man and environment:**
The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
· **Classification system:**
The classification was made according to the latest editions of international substances lists, and from company and regulatory data.
· **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

Obtained by Global Safety Management, Inc. (www.globalsafetynet.com)

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 06/23/2010 Reviewed on 06/23/2010

Trade name: MERIAL EWT

4 First aid measures

· **General information:** No special measures required.
· **After inhalation:** Seek immediate medical advice.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for a minimum of 15 minutes under running water. Get medical attention immediately.
· **After swallowing:** Immediately call a doctor.
· **After self injection**
· **Information for doctor.** In case of symptomatic effect provide treatment to maintain life functions.

5 Fire fighting measures

· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Protective equipment:** Self-contained breathing apparatus and full protective equipment.

6 Accidental release measures

· **Person-related safety precautions:** Not required.
· **Measures for environmental protection:** Do not allow product to reach sewage system or any water course.
· **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section 13.
· **Additional information:** No dangerous substances are released.

7 Handling and storage

· **Handling:**
· **Information for safe handling:**
Store in cool, dry place in tightly closed containers.
Handle with care. Avoid jolting and impact.
· **Information about protection against explosions and fires:** No special measures required.

· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store only in the original container.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Store in a cool, dry, well ventilated place.
· **Recommended storage temperature:** 2-7°C

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists that were valid during the creation were used as basis.

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Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 06/23/2010 Reviewed on 06/23/2010

Trade name: MERIAL EWT

· **Personal protective equipment:**
· **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or inhale.
Do not store food in the working area.
· **Protection of hands:** Not required under normal conditions of use.
· **Eye protection:**



Safety goggles.

· **Body protection:** Impervious protective clothing

9 Physical and chemical properties

· **General Information**	
Form:	Liquid
Color:	Colorless translucent liquid
Odor:	Characteristic
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· **Flash point:**	Not applicable.
· **Auto igniting:**	Product is not self-igniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Specific gravity:**	1.0
· **Solubility in / Miscibility with Water:**	Miscible in water
· **pH-value at 20°C (68°F):**	6.6-7.6
· **Organic solvents:**	0.0 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** Stable when handled according to label instructions
· **Dangerous reactions** No dangerous reactions known.
· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** No irritating effect known.
· **on the eye:** No irritating effect known.
· **Sensitization:** No sensitizing effects known.

Obtained by Global Safety Management, Inc. (www.globalsafetynet.com)

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 06/23/2010 Reviewed on 06/23/2010

Trade name: MERIAL EWT

· **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **DOT regulations:**
· **Hazard class:** -

· **Land transport ADR/RID (cross-border):**
· **ADR/RID class:** -

· **Maritime transport IMDG:**
· **IMDG Class:** -
· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**
· **ICAO/IATA Class:** -

15 Regulations

· **SARA**

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

54-64-8	Thimerosal

· **CA Proposition 65**

· **Chemicals known to cause cancer:**
None of the ingredients are listed.

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Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 06/23/2010 Reviewed on 06/23/2010

Trade name: MERIAL EWT

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

· **Carcinogenesis potential categories**

· **EPA (Environmental Protection Agency)**
None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**
None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**
None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **Product related hazard informations:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.

· **Safety phrases:**
Do not empty into drains.

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:** MSDS Coordinator, msds@merial.com

USA

Obtained by Global Safety Management, Inc. (www.globalsafetynet.com)