

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

<b>Product name:</b>	<b>Teatcare Plus</b>
<b>Product code:</b>	A5392
<b>Recommended use:</b>	Topical antibacterial concentrate for use on dairy cows (teat spray with emollient).
<b>Company details:</b>	Merial Ancare
<b>Address:</b>	Level 3, Merial Building Osterley Way Manukau City New Zealand
<b>Telephone number:</b>	Phone: +64 9 980 1600 Fax: +64 9 980 1601
<b>Emergency telephone number:</b>	Merial Ancare Freephone: 0800 800 822 National Poisons Centre : 0800 764 766 (0800 POISON) Fire Service, Ambulance : Dial 111
<b>Date of preparation:</b>	18 April 2006

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical characterization:</b>	Liquid	
<b>Product components:</b>		
<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Chlorhexidine gluconate	18472-51-0	22.5
Other		to 1L

## SECTION 3: HAZARDS IDENTIFICATION

<b>Hazard classifications:</b>	9.1B
<b>Priority and secondary identifiers:</b>	WARNING Dangerous to the environment
<b>Risk and safety phrases:</b>	9.1B Toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

## SECTION 4: FIRST AID MEASURES

<b>Necessary first aid measures:</b>	For advice contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor immediately. <u>Ingestion:</u> If swallowed seek medical attention. Do NOT induce vomiting. <u>Eyes:</u> If splashed in eyes wash out immediately with water. <u>Skin:</u> If skin or hair contact occurs remove contaminated clothing and flush skin and hair with running water. <u>Inhalation:</u> Remove to fresh air.
<b>Workplace facilities:</b>	No special facilities required.
<b>Required instructions:</b>	Observe good work practices and avoid skin contact. Wash hands and exposed skin before meals and after use. Do not eat or drink while using. Launder protective clothing separately from other clothing, and before each reuse.
<b>Notes for medical personnel:</b>	Treat symptomatically. Chlorhexidine is low risk to humans (see toxicology section) and is unlikely to cause human ill health. Note the nature of the product.

## SECTION 5: FIRE FIGHTING MEASURES

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<b>Type of hazard:</b>	Non flammable, Non combustible, Non explosive
<b>Fire hazard properties:</b>	Teatcare Plus is not classified as flammable and will not support combustion. Hazardous fumes when heated to decomposition.
<b>Regulatory requirements:</b>	Not applicable
<b>Extinguishing media and methods:</b>	Treat the fire as for the other materials present.
<b>Hazchem code:</b>	2X
<b>Recommended protective clothing:</b>	When fighting a major fire wear full protective clothing including breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency procedures:</b>	Wear suitable protective clothing. Restrict access to contaminated area. Contain the spill and prevent further dispersion. Retrieve intact containers from site. Place damaged containers into containment devices. Absorb spills with inert material and place in waste containers. Wash the area with water and absorb with further inert material. Collect spilled material and place in sealable containers for subsequent disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.
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## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Minimise skin contact. Mix carefully to the required dilution. Handle with care.
<b>Regulatory requirements:</b>	N/A
<b>Handling practices:</b>	N/A
<b>Approved handlers:</b>	Not required
<b>Conditions for safe storage:</b>	Store in a cool place below 25°C with top secured. Store unopened in the original container. Keep out of reach of children.
<b>Store site requirements:</b>	This substance is subject to a requirement for an emergency management plan and secondary containment, whenever it is held in quantities of 1000L or more. See Hazardous Substances (Emergency management) regulations 25 to 42.
<b>Packaging:</b>	Packaging Schedule 3 (UN Packing Group III) for quantities >5L (Hazardous Substances Packaging Regulations 2001).

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Workplace exposure standards:</b>	Dusts 10mg/m <sup>3</sup>
<b>Application in the workplace:</b>	Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent skin contact.
<b>Exposure standards outside the workplace:</b>	TELs and EELs are not set at this time.
<b>Engineering controls:</b>	Ensure that ventilation maintains dust levels below WES.
<b>Personal protection:</b>	Clothing should consist of overalls with long sleeves and impervious gloves.
<b>References:</b>	N/A

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Specify product data:</b>	<u>Formulation type:</u> Solution <u>Appearance:</u> Blue coloured liquid
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	<u>Specific gravity</u> : ~1.1g / mL <u>Boiling Point</u> : ca. 100° C <u>Vapour Pressure</u> : NA <u>pH</u> : 5.5 – 6.8 <u>Solubility in Water</u> : Miscible up to 5%
<b>Required specifications:</b>	N/A
<b>Further specifications:</b>	N/A
<b>Specific advice:</b>	N/A

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability of the substance:</b>	Stable under normal conditions of use and storage.
<b>Conditions to avoid:</b>	No specific conditions to avoid.
<b>Material to avoid:</b>	No specific materials to avoid.
<b>Hazardous decomposition products:</b>	No hazardous products are expected, except when heated to decomposition.
<b>Hazardous polymerization:</b>	Components are not expected to form hazardous polymers.
<b>Specific data:</b>	N/A

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Data and interpretation:</b>	Does not breach ERMENZ hazard thresholds for toxicology.
<b>Summaries data:</b>	<u>Chlorhexidine gluconate</u> Chlorhexidine gluconate is an acute oral toxin [LD <sub>50</sub> (oral, mouse) 1260mg/kg]. Chlorhexidine is absorbed poorly from the GI tract and is absorbed poorly following topical application to the skin. Used in human skin and hand washes as a disinfectant and in mouthwashes as an oral antimicrobial rinse. Used for general skin cleansing, as a surgical scrub and a preoperative skin preparation. Skin and eye irritant.

## SECTION 12: ENVIRONMENTAL INFORMATION

<b>Potential environmental interactions:</b>	Very toxic to aquatic organisms.
<b>Data organisation :</b>	<u>Chlorhexidine gluconate</u> Very toxic to aquatic organisms [LC <sub>50</sub> Bluegill sunfish 479-771ppb/96 hr; LC <sub>50</sub> <i>Daphnia magna</i> 32-102ppb/48hr]. The potential for bioconcentration in aquatic organisms is low. Not readily biodegradable. A potential terrestrial vertebrate toxin based on laboratory animal toxicity data [LD <sub>50</sub> (oral, mouse) 1260mg/kg].
<b>Environmental risk and safety phrases:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorhexidine gluconate 4.5%)

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Disposal information :</b>	Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Burn empty container in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill. Do NOT use container for any other purpose.
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## SECTION 14: TRANSPORT INFORMATION

<b>Relevant information:</b>	Dangerous Goods for transport. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
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<b>Other requirements:</b>	(Chlorhexidine gluconate 4.5%) UN Number: 3082 Dangerous Goods Class: 9 N/A
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## SECTION 15: REGULATORY INFORMATION

<b>Regulatory status:</b>	Registered pursuant to the ACVM Act 1997, No. A5392 See <a href="http://www.nzfsa.govt.nz/acvm">www.nzfsa.govt.nz/acvm</a> for registration conditions. Approved pursuant to the HSNO Act, Approval Code HSR002305 See <a href="http://www.ermanz.govt.nz">www.ermanz.govt.nz</a> for approval conditions. SDS is required for quantities greater than or equal to 5L
<b>HSNO and ACVM controls:</b>	Refer to Section 3
<b>List exposure limits:</b>	None set

## SECTION 16: OTHER INFORMATION

<b>Additional information:</b>	For product information visit the Merial Ancare website <a href="http://www.merialancare.co.nz">www.merialancare.co.nz</a> While the information set forth is believed to be accurate as of the date hereof, Merial NZ LTD. makes no warranty with respect hereto and disclaims all liability from reliance thereon.
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