

DX50® DAIRY SANITISER & BIOFILM DISRUPTER

DX50® Dairy Sanitiser is designed as a general purpose farm sanitiser for all areas of dairy operations.

DX50® Dairy Sanitiser is Chlorine Dioxide gas in aqueous solution and is 2.46 times more effective at oxidising (killing) harmful bacteria than standard chlorine. **DX50® Dairy Sanitiser** is not pH dependent and works most effectively when diluted in cold water. It is also unique in that it will actively break down the biofilm surrounding a wide range of negative pathogens.

Directions for Use For general farm sanitation including:

1. Dairy shed external pipework
2. Dairy shed floors and walls
3. Calf rearing sheds
4. Areas where bacterial build up is an issue

Use at a rate of 1L **DX50® Dairy Sanitiser** to 100L clean water.

Directions for Plant Cleaning

1. Mix 60mls **DX50® Dairy Sanitiser** per 100lt cold water with a minimum of 10ltrs per cluster.
2. Reticulate through plant for a minimum 5minutes.
3. Open plant and allow to drain.
4. Rinse plant with compliant water prior to next milking.

Directions for Cleaning Milk Silo/Vat

1. Rinse the silo with cold water to remove milk residue.
2. Wash with industry approved Alkaline Detergent.
3. Rinse the silo with cold (compliant) water.
4. Wash silo with **DX50® Dairy Sanitiser** at 60mls per 100lt cold water for three to five minutes then open and drain.
5. Rinse milk tanks with compliant water prior to next milking.

NOTE: **DX50® Dairy Sanitiser** is effective at oxidising Iron and Manganese and removing them from solution. Therefore it is recommended that a water test be undertaken to determine mineral levels and avoid precipitation.

Hazard and Toxicological Statements

- HASNO approval number HSR007938
- EPA Classification 9.1D
- Not classified as a dangerous good according to NZS 5433
- **Low toxicity:** No adverse health effects are anticipated with normal use of this product.
- **Low Eye Irritant:** Exposure may result in irritation and lacrimation.
- **Inhalation Irritant:** Over exposure at high levels may result in mucous membrane irritation of the nose, throat and lungs with coughing.
- **Low Skin Irritant:** Prolonged and repeated contact with the skin may result in mild irritation.
- **Low Ingestion Toxicity:** Ingestion may result in headache, nausea, vomiting, gastrointestinal irritation and diarrhoea.
- **Toxicity Data:** No LD50 data available for this product.

Composition

Active Ingredient: Chlorine Dioxide

Formula: ClO₂

Concentration: Contains a minimum of 1000ppm at point of manufacture

CAS No. 10049-04-4

Other ingredients (water), determined not to be hazardous according to Work Safe NZ and not dangerous, make up the product concentration to 100%.

Global Proficiency assessment reference H2166a.

First Aid and Emergency

1. **Eye:** Flush gently with running water for 15 minutes.
2. **Skin:** Gently flush affected areas with water.
3. **Inhalation:** If over exposure occurs leave exposure area immediately. If irritation persists or breathing becomes laboured in any way, seek medical attention.
4. **Ingestion:** DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Seek medical attention.
5. **Advice to Doctor:** Treat symptomatically.

Storage and Handling

Storage: Store in cool, dry area, removed from foodstuffs. Ensure containers are labelled, protected from physical damage and sealed when not in use. Do not store above 30°C. The manufacturer recommends that this product is stored in an opaque container and should not be exposed to light (especially UV light). Keep container tightly sealed when not in use. Also store removed from acids.

Handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (eg. if container is damaged). Take care not to inhale vapours when pumping this product or transferring it into another container. This should only be done in a well ventiated area.

Disposal Statements

- **Disposal of product:** No special precautions are required for the disposal of this product. Dispose in accordance with relevant local legislation.
- **Disposal of Containers:** Triple rinse containers, puncture and recycle or dispose of safely.

Ecological Information

This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities. Not expected to bio-accumulate.

MPI approved for use in farm dairies.

Manufactured & Distributed by

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BATCH NO:

EXPIRY DATE:



DX50[®]



CHLORINE DIOXIDE

DAIRY SANITISER