

TECHNICAL DATA REPORT

HS 1920

I-O-DYNE Low Foam Dairy Sanitiser

DESCRIPTION:

I-O-DYNE is a low foaming iodophor with a high content of food grade acid.

PURPOSE:

I-O-DYNE is used as a germicidal treatment of farm bulk tanks and pipeline milking systems, dairy plant equipment, farm bulk milk pick-up trucks and over-the-road milk tankers.

HOW TO USE:

PRE-RINSE: Immediately after milking, thoroughly rinse the pipeline system with 34-40°C water. Let water discharge to drain. With particularly hard water, it is advisable to slightly acidify the rinse water with 40 ml I-O-DYNE to 100 Litres of water.

RINSE: Rinse line thoroughly with lukewarm water. In hard water areas, add 40 ml I-O-DYNE to 100 Litres of water.

Sanitise: Immediately before milking, sanitise with 80 ml I-O-DYNE to 100 Litres of luke warm water, permitting two minutes contact time. (This provides 12.5 ppm titratable iodine). Rinse with potable water and drain, if required by local regulations. Follow Federal and Provincial Health Department regulations.

NOTE: For most satisfactory results, use MELROSE C.D.C. twice each day (morning and evening milking). Do sanitising with I-O-DYNE.

PRINCIPAL USERS:

Dairy farms, co-ops, agricultural research stations, veterinarians, food processing plants, dairies, bulk milk transport companies.

ADVANTAGES:

- 1) Combined low foaming with the unsurpassed germ killing power of iodine. excellent for farm or plant installations where high foam levels cannot be tolerated.
- 2) Contains its own build-in colour indicator of germicidal strength. The colour tells you it's working, no guesswork.
- 3) Let you sanitise immediately after cleaning. Equipment will remain sanitary until ready for use with no fear of corrosion. Leaves surfaces at a low pH, prevents hard-water spotting.
- 4) As the final rinse, may be returned to the storage tank and used as a pre-rinse before the next cleaning. Boosts economy as well as cleaning effectiveness.
- 5) Combines acidified rinse and sanitising rinse into one operation. When added to the rinse water immediately after cleaning, I-O-DYNE not only acidifies and sanitises, but neutralizes all traces of cleaning materials and assures superior draining of suspended soils.
- 6) When used to sanitise systems just before milking, I-O-DYNE controls lime and milkstone build-up. Makes final acidified rinse or periodic acid cleaning of such systems unnecessary.
- 7) Makes an excellent sanitiser for farms and milk plant equipment, bulk milk pick-up trucks and over-the-road milk tankers. Sanitising may be done right after cleaning with no fear of corrosion, thus letting you "work ahead".
- 8) When combined with MELROSE'S C.D.C. for C.I.P. systems, I-O-DYNE provides the most economical and efficient cleaning, sanitising and acidifying rinse program available today.

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PRECAUTIONS:

EXTERNAL: If splashed in eyes or on skin flush thoroughly with water for 15 minutes, then cover with moistened sodium bicarbonate. **GET MEDICAL ATTENTION IMMEDIATELY.** If splashed on clothing remove and wash them immediately.

INTERNAL: If swallowed, give solution of milk and sodium bicarbonate, milk of magnesia or egg whites beaten with water or three to four glasses of milk. **DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.**
Read Material Safety Data Sheet.

SPECIFICATIONS:

Physical form	Dark brown liquid
Density at 25°C	1.272
Active ingredients	72.04%
pH (concentrate)	1.5 - 2.5
pH (1% solution)	5.5 - 6.5
Foaming	Very low
Solubility	Complete in hard or soft water
Rinsability	Excellent
Biodegradable	Yes