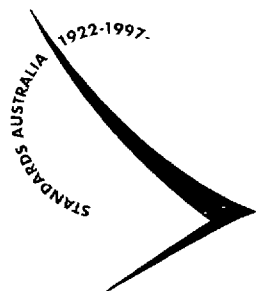


AS/NZS 1389:1997

Australian/New Zealand Standard[®]

**Acidic detergents for use in the
dairying industry**



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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee FT/9, Dairy Detergents and Sanitizers. It was approved on behalf of the Council of Standards Australia on 18 July 1997 and on behalf of the Council of Standards New Zealand on 16 June 1997. It was published on 5 September 1997.

The following interests are represented on Committee FT/9:

Australian Chamber of Commerce and Industry
Australian Chemical Specialties Manufacturers Association
Australian Dairy Farmers Federation
Dairy Industry Association of Australia
Dairy Industry Authority of Western Australia
Department of Primary Industries, Queensland
Dunsmore Hygiene Consultancy
Food Technology Association of Victoria
N.S.W. Dairy Corporation
Victorian Dairy Industry Authority
National Registration Authority for Agricultural and Veterinary Chemicals

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dairying industry**

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FT/9, Dairy Detergents and Sanitizers.

The Committee recommended a new edition with minor changes to supersede AS 1389—1973. It is one of a number of Standards dealing with dairy detergents and sanitizers. These Standards include AS 2541—1982, *Guide to the cleaning-in-place of dairy factory equipment*, AS 1162—1991, *Cleaning and sanitizing dairy factory equipment*, and AS 1536—1991, *Cleaning and sanitizing milking equipment*, which should be consulted in relation to the proper usage of the detergents and sanitizers specified in the product specifications.

The objective of this revision is to maintain the established Standard, which specifies assessments for available acidity, corrosion, solubility and foaming characteristics in acidic detergents.

These detergents are usually mixtures of mineral and organic acids, surface active agents and inhibitors. Acids commonly used are phosphoric, sulphamic, nitric, citric and acetic.

In the dairying industry, acidic detergents are used to dissolve soils composed of water-insoluble salts of calcium, magnesium and iron. They are also used to degrade, modify or dissolve protein soils that have been chemically changed by the action of heat or calcium ions, or both. (The soil commonly known as 'milkstone' may include these materials in various combinations.)

Certain acidic detergents may be used as rinse aids, the purpose being to prevent the deposition of hard water salts. As far as this Standard is concerned, the test requirements relate to detergents for use in acid cleaning applications. Rinse aids as such are not covered.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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CONTENTS

	<i>Page</i>
1 SCOPE	4
2 APPLICATION	4
3 REFERENCED DOCUMENTS	4
4 DEFINITIONS	4
5 GENERAL PROPERTIES	5
6 AVAILABLE ACID CONTENT	5
7 CORROSION TEST	5
8 DEGREE OF FOAMING	5
9 FREEDOM FROM GRIT	5
10 PACKAGING	5
11 INFORMATION TO BE SUPPLIED BY THE MANUFACTURER	5

APPENDICES

A METHOD OF ASSESSING AVAILABLE ACID CONTENT	7
B CORROSION TEST	8
C DETERMINATION OF DEGREE OF FOAMING	10