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AGRICULTURAL SPRAYING OILS (EMULSIFIABLE)

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Agricultural and Veterinary Chemicals Association
Australian Chemical Industry Council
Australian Department of Health
Australian Department of Primary Industry
Australian Farmers' Federation
Australian Institute of Agricultural Science
Australian Veterinary Association
CSIRO
Pest and Weed Control Association of Australia
Petroleum Marketing Engineers Advisory Committee
State Departments of Agriculture
State Departments of Health

This standard, prepared by Committee CH/5, Pesticides, was approved on behalf of the Council of the Standards Association of Australia on 25 February 1976, and was published on 1 August 1976.

To keep abreast of progress in industry, Australian standards are subject to regular review. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

This standard was issued in draft form for public review as Doc. 763 and DR 74095.

AUSTRALIAN STANDARD SPECIFICATION

AGRICULTURAL SPRAYING OILS (EMULSIFIABLE)

AS 1888 — 1976

First published 1976

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PREFACE

This standard was prepared by the Association's Committee on Pesticides under the direction of the Chemical Standards Board, in response to a request from the Technical Committee on Agricultural Chemicals (TCAC) which operates under the aegis of the Australian Department of Primary Industry. TCAC considered that a national standard should be established for the many plant spraying oils being marketed in the various states.

During the preparation of this standard, the committee corresponded with the Standards Association of New Zealand, the South African Bureau of Standards, the U.K. Ministry of Agriculture, Fisheries and Food, the University of Florida, and the Department of Agriculture, California. Account was taken of existing U.S. Federal specifications, draft U.K. Ministry specifications, and draft FAO* specifications.

The standard was largely drawn up by a working group drawn from the Victorian Department of Agriculture, the Agricultural and Veterinary Chemicals Association, the Petroleum Marketing Engineers Advisory Council and several fruit and vegetable growers associations.

The terms 'petroleum oil', 'mineral oil' and 'hydrocarbon oil' are used in other specifications and methods to describe the active constituent herein referred to as petroleum oil. As the intention in each instance is identical, these terms should be regarded as synonymous.

This standard makes reference to the following published standards:

AS CN1	Code of Recommended Practice in the Sampling of Agricultural Insecticides, Fungicides and Pest Destroyers
ASTM D483	Method of Test for Unsulphonatable Residue of Petroleum Plant Spray Oils
ASTM D1160	Distillation of Petroleum Products at Reduced Pressure
ASTM D1480	Test for Density and Specific Gravity of Viscous Materials by Bingham Pycnometer.

*Food and Agriculture Organization of the United Nations.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification for AGRICULTURAL SPRAYING OILS (EMULSIFIABLE)

1 SCOPE. This specification applies to water-emulsifiable spraying oils based on petroleum oils for use in agriculture for controlling pests and diseases of plants. Oil/pesticide mixtures are excluded.

2 DEFINITIONS. For the purposes of this specification, the following definitions apply:

Miscible oil—a clear and bright formulated oil containing emulsifying agent(s) that allow(s) ready mixing of the oil with water.

Polyphase oil—a mayonnaise-type emulsion concentrate including oil, water and emulsifying agent(s) that allow(s) ready dilution with water.

3 CLASSIFICATION. The spraying oils shall be of the following grades and types:

(a) *Summer oils.*
  (i) Miscible summer oils.
  (ii) Polyphase summer oils.

(b) *Winter oils.*
  (i) Miscible winter oils.
  (ii) Polyphase winter oils.

(c) *Miscible heavy dormant oils.*

4 APPLICATION OF OILS.

4.1 Summer Oils. Summer oils to this specification are suitable for use on citrus, pome fruit and other plants in full foliage.

4.2 Winter Oils. Winter oils to this specification are suitable for use on deciduous plants during their dormant phase, i.e. before bud burst.

4.3 Miscible Heavy Dormant Oils. Heavy dormant oils to this specification are suitable for use on deciduous, fully dormant plants.