



Chemical synonym

Zinc dimethyldithiocarbamate
Bis(dimethyldithiocarbamato-S,S')zinc

General information

CAS number : 137-30-4
Molecular formula : C₆H₁₂N₂S₄Zn
Molecular weight : 305.8
EPA registration number : 45728-14

Taminco has full data package on the toxicology, ecotoxicology and environmental fate of Ziram.

Description

A creamy-white powder biocide for use in preservation of materials.

Principal Applications

This product may be used in the formulation of the following non-pesticide products:

- Latex paints
- Paper and paperboard
- Paper coatings
- Water reduced industrial materials
- Adhesives
- Industrial yarns and fabrics
- Dried films

See product label for specific directions of use.

Specifications

Specifications	Values	Test methods
Ziram content	Min. 97%	Cipac 31/1/M1.2
Water content	Max. 0,5%	Loss on drying
Wettability	Max. 3 minutes	Cipac MT 53.3.1
Wet sieving particules > 125 µm	Max 0,5%	Cipac MT 59.3
Fine and creamy white powder	Ok	

Physical & Chemical Properties

Very slightly soluble in acetone and benzene. Practically insoluble in water. Decomposes under acidic conditions. Melting point approx. 250°C (with decomposition).

Packaging

20kg (44 pounds) multi-ply paper bag with inner polyethylene ply.

Storage

Store in a dry well-ventilated place away from foodstuffs. No reduction in the assay of the active substance has been observed after storage for 2 years in the original packing under normal conditions.

Use explosion-proof electrical equipment.

Protect against acids and substances liberating acids.

In the event of accidental spillage the split product should be collected for incineration. Notify the appropriate authorities immediately if there is any risk of contamination of watercourses.

Fire risk

The product is combustible at high temperature. Fire or heating can cause decomposition to toxic vapours (nitrogen oxides, carbon oxides and sulphur oxides)

See Material Safety Data Sheet for:

Labeling, Transport Regulations, Toxicology and Ecotoxicology.

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