

## TECHNICAL DATA SHEET

Manufacturer: "AGRIA" S.A.

4009 Plovdiv, Bulgaria

Asenovgradsko Shose (factory)

1408 Sofia, Bulgaria, 75-83 Dimitar Manov Str.

(Foreign Trade Division)

Date of issuing: 06/12/2004

Last update: 01/12/2008

Amendments: 3

Number of pages: 2

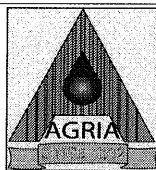
### 1 Product Classification

- |                        |                       |
|------------------------|-----------------------|
| a) Agrochemical        | FUNGICIDE             |
| b) Industrial Chemical | N/A                   |
| c) Pharmaceutical      | N/A                   |
| Others                 | BIOCIDE /ANTI-FOULANT |

### 2 Product Identification

- |                         |  |
|-------------------------|--|
| a) Common name          | Zineb  |
| b) Trade Name           | <b>Perozin Marine</b>  |
| e) Chemical Name        | zinc - ethylene - N - N' - bis - dithiocarbamate (IUPAC)   |
| d) CAS Number           | 12122-67-7 (MW: 275.5)   |
| e) Purity/Potency/Assay | <b>Not less than 95% a.i.</b>  |
| f) Impurities           | ETU: 0.1% max.<br>Moisture: 1% max.  |
| g) Manufactured by      | AGRIA S.A.<br>75-83, D. Manov Str., 1408 Sofia, Bulgaria (Foreign Trade Division)<br>Asenovgradsko shose, 4009 Plovdiv, Bulgaria (Factory)   |
| h) Packaging size       | 25Kg multiply paper bags with PE inner; on <i>or</i> without pallets   |
| i) Date of expiry       | Stable at least 2 years, depending on the climate conditions   |
| l) Storage condition    | Keep in cool, dry, well ventilated place<br>Keep locked up and out of reach of children and household pets<br>Keep away from food, foodstuffs, fertilisers and seed.   |
| m) Disposal method      | Waste Disposal method should be in accordance with local and national legislation and in safe manner to prevent environmental or water pollution. Do not reuse empty containers/packages. Any containers or equipment used should be decontaminated immediately after use. Container Disposal method should be in accordance with local and national legislation |
| n) Others               | Stability: Stable under normal conditions. Unstable to light, moisture and heat on prolonged storage (decomposition is reduced by stabilizers).  |

### 3 Physico-Chemical Properties



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- a) Appearance/Colour Off-white to cream-coloured fine powder
- b) Specific Gravity Bulk density: 400 g/dm<sup>3</sup>
- c) pH 6.0-7.5
- d) Solubility/suitable solvent In water (25°C): 10mg/l  
In pyridine and carbon disulphide: soluble  
In common organic solvent: insoluble
- e) Please provide Reference literature for analytical method  
CIPAC 1 \*25/1/M/1.2., p.707 "Analysis of Technical and Formulated Pesticides" (Zineb)  
  
CIPAC 1 \*61/1/M/1.2., p.464 "Analysis of Technical and Formulated Pesticides" (Maneb)  
CIPAC 1 F, MT 162, p.399 "Physico-chemical Method for Technical and Formulated Pesticides" (ETU), etc.
- 4 Toxicity
- a) LD<sub>50</sub> values Acute oral LD<sub>50</sub> for rats: over 2000 mg/kg  
Acute dermal LD<sub>50</sub> for rats: over 20000 mg/kg  
Acute inhalation: LD<sub>50</sub> for rats: over 0.57 mg/l of air.
- b) Irritant/Corrosive Eye irritation /rabbits Non-irritant (48h)  
Skin irritation /rabbits/: Non-irritant (72h)  
Sensitization /guinea pig/: Weak skin sensitizer (Grade I)
- c) Carcinogenic/warning Non mutagenic in AMES test.  
Non embriotoxic. Non teratogenic
- d) Unknown toxicity N/K
- e) Antidote/emergency procedure No specific antidote available. Symptomatically treatment.
- f) Others ADI (man): 0.05 mg/kg