



MSDS 004 – Basfoliar ZnMn 600 SC

MATERIAL SAFETY DATA SHEET

COMPO do Brasil S.A.

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1. COMPANY AND PRODUCT IDENTIFICATION

BASFOLIAR ZnMn 600 SC

Company

COMPO do Brasil S.A.

Rua Idrongal , 170 , Engenheiro Neiva

Guaratinguetá – São Paulo – Brasil

Information in case of emergency

Central of Communication

Tel.: 55-12-3133-2004 Fax: 55-12-3133-7757

2. COMPOSITION AND INFORMATION ON THE INGREDIENTS

This chemical product is a mixture.

Chemical nature: Aqueous suspension, mixes of inorganic actives and surfactants.

Main components:

ZINC

CAS NUMBER: 7733-02-0 weight (%): 21

Symbol: Zn Frases R: -----

No. INDEX: ----- No. EINECS: -----

MANGANESE

CAS NUMBER: 7785-87-7 weight (%): 17

Symbol: Mn Frases R: -----

No. INDEX: ----- No. EINECS: -----

3. IDENTIFICATION OF DANGERS

More important dangers: None

Specific dangers: None

4. MEASURES OF FIRST AID

Inhalation: Take the victim to a place of fresh air. Seek medical attendance.

Difficult or without breathing: Administer oxygen.

Contact with the skin: Wash it abundantly with water and soap. Take off the polluted clothes.

Contact with the eyes: Wash them with running water abundantly for at least 15 minutes forcing the opening of the eyelids. Seek eye specialist.

Ingestion: Wash the mouth and drink plenty of water. Vomit can happen spontaneously but DON'T INDUCE.



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Helper protection and/or notes for the doctor: In all the cases seek doctor's attendance. The treatment should be symptomatic.

5. FIRE COMBAT MEASURES

Appropriate extinction means: Carbon Dioxide, chemical dry powder, mechanics skims and water in mist form.

6. CONTROL MEASURES FOR SPILLING OR LEAKING

Removal of ignition sources: Any special recommendation is necessary.

Dust control: Not applicable

Prevention of the inhalation and contact with the skin mucous membrane and eyes: Avoid vapor inhalation.

7. HANDLING AND STORAGE

Worker prevention expose: Handle according to safety established norms.

Fire prevention explosion: No recommendation is made necessary.

Safe handling precautions: Avoid product contact with the skin mucous membrane and eyes.

Safe handling orientations: Use suitable EPP's showed in item 8.

Appropriate technical measures: Store at dry fresh and ventilated place.

Appropriate storage conditions: Keep the packing closed.

Product and materials incompatible: Not available.

Recommended: Not available.

8. EXPOSE CONTROL AND INDIVIDUAL PROTECTION

Breathing protection: Not necessary

Hands protection: Latex gloves or PVC

Eyes protection: Safety glasses or facial protecting

Skin and body protection: Industrial clothes

Special precautions: According to the work conditions

Hygiene measures: In emergency cases use shower and wash-eyes. Avoid the product emanation in the air. Keep the work place clean. Keep recipients closed. Don't eat, drink or keep food at the work place. After the work wash the hands with water and soap. Use appropriate ventilation.

9. PHYSICAL-CHEMISTRIES PROPERTIES

Physical state: Liquid

Color: brown

Scent: characteristic



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pH value (100%) 20°C: 7,5 – 8,5

Boiling Point: Not applicable °C

Boiling temperature strip: Not available °C

Distillation strip: Not available °C

Melting point: Not applicable °C

Decomposition temperature: Not applicable °C

Flash point: ----- °C -----

Solemnity-ignition temperature: Not applicable °C

Superior burst limits: Not applicable. Don't any danger of explosion.

Inferior burst limits: Not applicable. Don't any danger of explosion.

Vapor pressure: Not applicable

Vapor density: Not applicable °C

Density: 20°C 1.7000 g/mL

Density of the stored material: Not available °C

Solubility in water: Soluble °C

Solubility in other solvents: Solution in polar solvents °C

Viscosity: 1600 cp

Partition coefficient octane/water: Not available

Evaporation rate: Not available °C

Other information: -----

10. STABILITY AND REACTIBILITY

Instability: Stable product if handled in the appropriate and suitable conditions.

Dangerous reactions: Not available

Conditions to avoid: -----

Incompatible material or substances: -----

Needing to add additive and restrainers: -----

Dangerous products of the decomposition: Not available

11. TOXICOLOGICAL INFORMATION

Sharp toxicity: Sulfate of Anhydrous Zinc: mouse ingestion LC50: 1710 mg/kg / to heptahydrated salt / follow the proportion for the suspension.

Sharp toxicity: Sulfate of Anhydrous Manganese: mouse ingestion LC50: 2150 mg/kg / to hydrated salt / follow the proportion for the suspension.



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Local effects: rabbit eyes irritation, moderate standard dosage 420 micro gram. Investigated having mutability effects, causing tumors and in the reproduction.

12. ECOLOGICAL INFORMATION

The product was not tested. The statement was derived of the properties of the individual components. All the measures should be taken respecting the demands of the local environmental unit.

Mobility: Incineration.

Persistent/degradability: Product possesses Zinc in its composition, with is not biodegradable.

13. CONSIDERATIONS ABOUT TREATMENT AND DISPOSITION

Product: Incineration or industrial embankment, according to local legislation.

Residues of products: Incineration or industrial embankment, according to local legislation.

Used packing: Packing should not be reused. The packing should be eliminated appropriately.

14. TRANSPORT INFORMATION

The characteristic of the product doesn't correspond to the official parameters that define dangerous products for ends of transports.

15. REGULATIONS

16. OTHER INFORMATION

Bibliographical references: Record of the matter-source Safety - MERCK INDEX

The information here contained is based on our current knowledge and they don't represent a confirmation of the characteristics. The consumer of our product is responsible for the observation of the laws and existent norms.

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