

MATERIAL SAFETY DATA SHEET

OXIN

1. IDENTIFICATION OF PRODUCT AND COMPANY

Trade name : Oxin

Chemical name: Seaweed suspension

Fertiliser Group: 2

Uses: A foliar applied seaweed suspension fertiliser for use as a growth stimulant.

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:

Nitrogen (N) 35 g/lit

Potassium (K) 1.0 g/lit

Sulphur (S) 400 mg/lit

Phosphorus (P) 40 mg/lit

Total Alginic Acid 10 mg/lit

3. HAZARDS IDENTIFICATION

Possible exposure: Ingestion, inhalation and skin contact

Eye contact: Non-irritant

Skin contact: Non-irritant

Ingestion: Non-toxic

Inhalation: Non-toxic

4. FIRST AID MEASURES AND PRECAUTIONS

Eye contact: Immediately rinse with water for 5 minutes

Skin contact: Wash skin with soap and water

Ingestion: Rinse mouth with water and drink large a quantity of water

Inhalation: Remove product or move person to fresh air

5. FIRE HAZARDS

Flash point: None to boiling

Flammable limits: Not applicable

Extinguishing media: Use water spray, dry chemical or carbon dioxide

Fire fighting procedure: Remove container from fire area

Combustion products: Vapors are non-toxic and non-irritant

6. ACCIDENTAL RELEASE MEASUREMENTS

Spillage/leaking: Stop leak, contain spill and absorb with soil or natural absorbents. Sweep up waste and place in container for disposal. Wash down area. Uncontaminated spilled material may be reused.

7. HANDLING AND STORAGE

Handling: Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product.

Storage: Store in the original labelled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Personal protective

equipment: Chemical goggles or shielded safety glasses and rubber or neoprene gloves are not required, but its use is recommended.

Respiratory: Protection normally not required, but a respirator can be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light brown liquid

Odour: Faint seaweed

pH: 4.3-4.6

Boiling point: 101°C

Specific gravity: 1.02

Vapor pressure: not available
Vapor density: not available
Percent volatile: not available
Solubility in water: soluble, aqueous solution

10. STABILITY AND REACTIVITY

Stability: Stable for at least 2 years under normal storage conditions.

Conditions to avoid: Storage in direct sunlight or above 30°C.

Incompatibility: Strong bases and oxidizing agents.

Hazardous decomposition: No products known.

Hazardous polymerization: None known.

11. TOXICOLOGICAL INFORMATION

Acute oral LD₅₀: >5600 mg/kg in rats – non-toxic.

Acute dermal LD₅₀: >8600 mg/kg in rats – non-toxic.

Inhalation LC₅₀: >5.92 mg/L in rats – non-toxic.

Skin irritation: Non-irritant in rabbits.

Eye irritation: Non-irritant in rabbits.

Chronic effects: None known.

12. ECOLOGICAL INFORMATION

Ecotoxicology: Non-toxic

Bees - LD₅₀ (oral; 96 hr): >100 µg/bee

Algae - IC₅₀ (72 hr): >100 mg/L

Daphnia - EC₅₀ (48 hr) >1000 mg/L

Trout/Carp - LC₅₀ (96 hr): >1000 mg/L

Earthworm - LC₅₀ (14 days) >1000 mg/kg

Birds – LD₅₀ (14 days) >2000 mg/kg

Biodegradation: Oxidation and microorganisms.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Contaminated absorbents and surplus product should be buried in accordance with any local legislation.

Container disposal: Wash thoroughly with water and soap prior to reuse.

14. TRANSPORTATION INFORMATION

Not regulated

15. REGULATORY INFORMATION

Classification: This product is considered non-toxic and non-irritant.

Important Note:

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