

## MATERIAL SAFETY DATA SHEET

### Catalysst

#### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE**

Product name: Catalysst  
Form: Liquid

#### **SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

Contains:

|                   |          |
|-------------------|----------|
| Nitrogen (N)      | 3 % W/V  |
| Fe                | 1000 ppm |
| Zn                | 200 ppm  |
| Mn                | 350 ppm  |
| Cu                | 100 ppm  |
| Mo                | 10 ppm   |
| Humic acid        | 5%       |
| Vitamin B Complex | 5 ppm    |

#### **SECTION 3. HAZARDS IDENTIFICATION**

No dangerous.

CARCINOGENIC EFFECTS: Not carcinogenic

MUTAGENIC EFFECTS: No mutagenic

TERATOGENIC EFFECTS: No teratogenic

DEVELOPMENTAL TOXICITY: No effect

#### **SECTION 4. FIRST AID MEASURES**

**In case of inhalation** : No dangerous

**In case of skin contact** : Wash with water.

**In case of eye contact** : Wash with water.

**In case ingestion** : Drink water

## **SECTION 5.FIRE FIGHTING MEASURES**

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**Protection against fire and explosion:** No special requirement.

**Extinguishment methods:** Water or any other.

**Excluded extinguishment Methods:** None.

## **SECTION 6.ACIDENTAL RELEASE MEASURES**

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### **Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### **Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## **SECTION 7.HANDLING AND STORAGE**

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### **Precautions:**

1. Keep away from heat.
2. Keep away from sources of ignition.
3. Empty containers pose a fire risk; evaporate the residue under a fume hood.
4. Do not ingest.
5. Avoid contact with eyes
6. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.

### **Storage:**

1. Keep container dry.
2. Keep in a cool place.
3. Keep container tightly closed.
4. Keep in a cool, well-ventilated place.

## **SECTION 8.EXPOSURE CONTROL/PERSONAL PROTECTION**

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### **Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** gloves.

**Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Boots. Gloves.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance** : Black Liquid

**Corrosion properties** :Non Corrosive

**Corrosion** :Non corrosion

**Density** 1.2 g/cm<sup>3</sup>

**pH 1% solution** : 5.5

**SECTION 10. STABILITY AND REACTIVITY**

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This material is chemically stable under normal and anticipated storage and handling conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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**Acute toxicity:** Not toxic

**Chronic Effects:**

CARCINOGENIC EFFECTS: Not carcinogenic

MUTAGENIC EFFECTS: No mutagenic

TERATOGENIC EFFECTS: No teratogenic

DEVELOPMENTAL TOXICITY: No effect

**SECTION 12. ECOLOGICAL INFORMATION**

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**Biodegradability:** The product is biodegradable.

**Ecological and biological effects:** None

### **SECTION 13. DISPOSAL INSTRUCTION**

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Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer or trash disposal.

### **SECTION 14. TRANSPORT INFORMATION**

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Store in the closed, original container in a well-ventilated area, as cool as possible. Keep out of reach of children. Do not store in direct sunlight.

### **SECTION 15. REGULATORY INFORMATION**

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Acute: Yes

Chronic: No

Fire: Yes

Read and follow all label directions.

### **SECTION 16. OTHER INFORMATION**

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The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements.