



# SAFETY DATA SHEET

Date of issue: 10-01-05

(Supersedes all previous issues)

## 1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

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PRODUCT NAME AND BRAND : **ZINC 200**  
SUPPLIER : MICROMIX SOLUTIONS Ltd.  
ADDRESS : COACHGAP LANE, LANGAR, NOTTS. NG11 6BL  
CONTACT Nos : Daytime 01949-861060 Other times 0115-9893138

## 2 COMPOSITION - INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS No.	CONC.	HAZARD	RISK
ZINC NITRATE (SOLUTION)	7779-85-6	96	Xn	R22

## 3 HAZARDS IDENTIFICATION

FIRE HAZARD : TOXIC FUMES OF NITROGEN OXIDES ON DECOMPOSITION  
INGESTION : MAY CAUSE GASTRO-INTESTINAL IRRITATION  
IRRITANT : MAY CAUSE IRRITATION IN CONTACT WITH EYES

## 4 FIRST AID MEASURES

EYES : Contact with eyes may cause IRRITATION. If symptoms persist seek medical aid.  
Irrigate with copious amounts of EYEWASH or clean water for 10 minutes minimum.  
If symptoms persist seek medical attention.

SKIN : Contact with skin (particularly if broken) may cause IRRITATION. Wash immediately with soap and  
rinse with copious amounts of clean water. If symptoms persist seek medical attention.

INHALATION : N/A as product is a liquid formulation. If spray mist is inhaled remove from source of inhalation and  
keep warm. If symptoms persist seek medical attention.

INGESTION : May cause systemic damage and gastro-intestinal IRRITATION.  
Do not induce vomiting. Irrigate mouth with copious amounts of water. Do not give anything to drink.  
If vomiting occurs place patient in the recovery position. Seek medical aid if symptoms persist.

## 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Either, Alcohol resistant foam, Water, Dry Chemical, Carbon Dioxide Sprays,  
sand or earth.

SPECIAL FIRE FIGHTING PROCEDURES : Wear self-contained breathing apparatus.

HAZARDOUS ON DECOMPOSITION : NON-COMBUSTIBLE but toxic fumes of may be released (Nitrogen oxides Sulphur  
dioxide).

## 6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS : Avoid contact with skin and eyes

SPILLAGE : Evacuate area. Absorb and contain spillage with sand, earth or other inert absorbent material.  
Place waste in sealed containers. Contact Local Authority for controlled waste disposal.  
Notify Environment Agency immediately if large spillage enters drains or sewers.

## 7 HANDLING AND STORAGE

USAGE PRECAUTIONS : Wear full overall protective clothing, PVC or rubber Gloves and Boots.  
: If exposed to high vapour concentration in a confined area, wear self-contained breathing  
apparatus.

STORAGE PRECAUTIONS : Keep sealed in original containers. Store in frost-free conditions above 2°C.

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS : Apply COSHH assessment according to standard (OES) EH 40/94

EXPOSURE LIMITS : None available.

PROTECTIVE EQUIPMENT : Wear full protective overall clothing.

HANDS AND FEET : Wear PVC or rubber gloves and Boots.

EYES AND FACE : Wear Face shield or goggles to BS 2092

RESPIRATION : Liquid formulation with negligible vapour pressure.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE** : Clear solution.  
**SPECIFIC GRAVITY** : 1.476 @ 15°C  
**pH (Concentrate)** : 6

**ODOUR** : Odourless  
**SOLUBILITY** : Complete in water

## 10 STABILITY AND REACTIVITY

**STABILITY** : Stable in normal ambient conditions.  
**MATERIALS TO AVOID** : Strong reducing agents  
**HAZARDOUS DECOMPOSITION** : Release of toxic Fumes (Nitrogen Oxides)

## 11 TOXICOLOGICAL INFORMATION

Excessive prolonged exposure may cause IRRITATION to skin and eyes. Symptoms may be, redness of skin and eyes, dermatitis, and fever (Similar to Metal Fume Fever).

Excessive INGESTION over long periods may cause damage to Central Nervous System.

Symptoms may be dry throat, shallow respiration, headache, irritability, dyspnea muscular spasm, slow spasmodic gait, postural instability, imbalance and diminished mental ability.

## 12 ECOLOGICAL INFORMATION

**PRECAUTIONS** : Advise Environment Agency immediately if water sources or soil is contaminated with Concentrate.  
**DEGRADABILITY** : Manganese compounds are mainly resistant to Degradation.  
**AQUATIC TOXICITY** : Not thought to be dangerous to the environment.

## 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS** : Product requires controlled waste disposal in accordance with CONTROL OF POLLUTION ACT 1974 and SPECIAL WASTE REGULATIONS 1980.  
**PACKAGING** : Do not re-use packaging for any other purpose.  
Dispose of used packaging in accordance with SPECIAL WASTE REGULATIONS 1980.

## 14 TRANSPORT INFORMATION

**TRANSPORT** : MATERIAL IS NOT CLASSIFIED AS HAZARDOUS OR DANGEROUS FOR TRANSPORT ACCORDING TO CURRENT INTERNATIONAL REGULATIONS.

## 15 REGULATORY INFORMATION

**LABELLING EEC REGULATIONS:** MATERIAL IS CLASSIFIED BY CHIP REGULATIONS FOR SUPPLY AS FOLLOWS;

<b>MANDATORY HAZARD SYMBOL</b>	: Xn	
<b>RISK PHRASES</b>	: R22	HARMFUL IF SWALLOWED
<b>SAFETY PHRASES</b>	: S 20/21	WHEN USING DO NOT EAT DRINK OR SMOKE
	S 2	KEEP OUT OF REACH OF CHILDREN

## 16 OTHER INFORMATION

### VALIDITY

The information contained herein relates only to the designated formulation and may not be valid if product is used in combination with other substances. The information is to the best of our knowledge, belief and understanding, true, accurate and reliable at the date of issue. However, the information may neither be exhaustive or complete, and no warranty, guarantee or liability concerning the accuracy or completeness of the information is expressed or implied. It is the users risk and sole responsibility to Verify and Satisfy their own criteria and duty of care concerning the validity of the information in relation to their application of the product.

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