

# SAFETY DATA SHEET

Date of issue: 10-11-02

(Supersedes all previous issues)

## 1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

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PRODUCT NAME AND BRAND : **ZINC 93**  
 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 SULPHATE (SOLUTION)	7733-02-0	>25%	Xn N	R22,51,53

## 3 HAZARDS IDENTIFICATION

FIRE HAZARD : TOXIC FUMES OF SULFUR DIOXIDE ON DECOMPOSITION  
 INGESTION : HARMFUL IF SWALLOWED  
 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 : Wear self-contained breathing apparatus.

### PROCEDURES

HAZARDOUS ON DECOMPOSITION : NON-COMBUSTIBLE but toxic fumes of SULFUR DIOXIDE may be released.

## 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 :

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 : Brown solution.  
 SPECIFIC GRAVITY : 1.316 - 1.339@ 15°C  
 pH (Concentrate) : 1.5 - 2.5

ODOUR : Odourless  
 SOLUBILITY : Complete in water

## 10 STABILITY AND REACTIVITY

STABILITY : Stable in normal ambient conditions.  
MATERIALS TO AVOID : Products containing Ammonium Thiosulphate  
HAZARDOUS DECOMPOSITION : Release of toxic Fumes (Sulfur Dioxide)

## 11 TOXICOLOGICAL INFORMATION

Excessive 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 : No Data.  
AQUATIC TOXICITY : Toxic to Fish and Aquatic life.

## 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;

MANDATORY HAZARD SYMBOL : Xn N  
RISK PHRASES : R22 HARMFUL IF SWALLOWED  
R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT  
SAFETY PHRASES: S 20/21 WHEN USING DO NOT EAT DRINK OR SMOKE  
S61 AVOID RELEASE INTO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/ HEALTH AND SAFETY DATA SHEET  
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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