



# 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 : **MAGNESIUM 81**  
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

MAGNESIUM NITRATE (SOLUTION) 10377-60-3

## 3 HAZARDS IDENTIFICATION

Product is not classified as hazardous for supply under current legislation (CHIPS3)

FIRE HAZARD : TOXIC FUMES OF SULFUR DIOXIDE ON DECOMPOSITION.

INGESTION : MAY CAUSE GASTRO-INTESTINAL IRRITATION.

IRRITANT : MAY CAUSE IRRITATION IN CONTACT WITH EYES.

ENVIRONMENT : NOT THOUGHT TO BE HARMFUL TO AQUATIC ORGANISMS.

## 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 : Prolonged 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 : Liquid preparation which is not aerosolised.

INGESTION : May cause 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 : Product is not flammable. Use extinguishers suited to surrounding fire conditions.

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

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

## 6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS : Avoid contact with skin and eyes.

SPILLAGE : Evacuate area. Contain and absorb spillage with sand earth or other inert material. Sweep up and 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, Boots.

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 applicable.

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 : Wear type approved dust mask.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Clear solution

ODOUR : No characteristic odour

SPECIFIC GRAVITY : 1.3

SOLUBILITY : Complete in water

PH : 3.7 – 4.7

## 10 STABILITY AND REACTIVITY

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

## 11 TOXICOLOGICAL INFORMATION

Material is not considered to be hazardous through any route of exposure under normal conditions of use. Prolonged exposure by ingestion may cause gastro-intestinal damage. Prolonged contact with skin and eyes may cause irritation.

## 12 ECOLOGICAL INFORMATION

**PRECAUTIONS** : Advise Environment Agency immediately if water sources or soil is contaminated with concentrate.  
**DEGRADABILITY** : No information available.  
**AQUATIC TOXICITY** : Not thought to be dangerous to the environment. Product will have a fertilising effect on aquatic flora

## 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** : NONE  
**RISK PHRASES** : NONE  
**SAFETY PHRASES:** NONE

## 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 user's 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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