

MATERIAL SAFETY DATA SHEET

Date of issue: July 2022 (Supersedes all previous issues)



1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY 1/2

PRODUCT NAME AND BRAND : **OPTIYIELD BIOZEST**
SUPPLIER : EMERALD RESEARCH LTD.
ADDRESS : GOOSE LANE, BOLLOWW, WESTBURY-ON-SEVERN, GLOS. GL14 1QX
CONTACT Nos : Daytime 01242 506206 Other times 07779 238136

2 COMPOSITION - INFORMATION ON INGREDIENTS

CHEMICAL NAME CAS No. CONC. HAZARD RISK

None of the ingredients are included in high enough concentrations to be classified under CHIPS regulations

3 HAZARDS IDENTIFICATION

FIRE : TOXIC FUMES OF SULFUR DIOXIDE ON DECOMPOSITION
HAZARD
INGESTION : HARMFUL IF SWALLOWED
IRRITANT : MAY CAUSE IRRITATION IN CONTACT WITH EYES AND SKIN

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 : Excessive inhalation may cause IRRITATION to the respiratory tract and systemic damage.
Remove
from
source of inhalation and keep warm. If symptoms persist seek medical attention.
: May cause systemic damage and gastro-intestinal IRRITATION.

INGESTION

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 SULFUR DIOXIDE may be released.

6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS : Avoid contact with skin and eyes. Avoid creating dust.
SPILLAGE : Evacuate area. Clear area creating as little dust as is practicable (preferably using a suction cleaning Device).

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 and type approved dust mask.
STORAGE PRECAUTIONS : Keep sealed in original containers. Store in dry frost-free conditions above 2°C.

Registered in England and Wales: 7868916 VAT Registration: GB 127276509

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS : Apply COSHH assessment according to standard (OES) EH 40/94
EXPOSURE LIMITS : 1 mg/m³ Mn 8h TWA
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 2/2

APPEARANCE : Pale Brown powder ODOUR : No characteristic odour
SOLUBILITY : Complete in water
PH : Solutions in water are acidic

10 STABILITY AND REACTIVITY

STABILITY : Stable in normal ambient conditions.
MATERIALS TO AVOID : Ammonium thiosulphate. Strong reducing agents.
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 and INHALATION over long periods may cause damage to Central Nervous System.
Symptoms may be dry throat, shallow respiration, headache, irritability, dyspnoea 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.
: No data available.
DEGRADABILITY
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.
: Do not re-use packaging for any other purpose.
Dispose of used packaging in accordance with SPECIAL WASTE REGULATIONS 1980.
PACKAGING

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 : Xi N
RISK PHRASES : IRRITATING TO EYES AND SKIN
R36/38

SAFETY PHRASES:

SPECIAL INSTRUCTIONS/ HEALTH AND SAFETY DATA SHEET S 22
S 2 KEEP OUT OF REACH OF CHILDREN

S 20/21 WHEN USING DO NOT EAT DRINK OR SMOKE
S61 AVOID RELEASE INTO THE ENVIRONMENT.
REFER TO

DO NOT BREATHE DUST.

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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