



## Safety Data Sheet

Date of Issue: 10.09.2020

Date of Expiry: 10.09.2025

### 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name: : **ECP Limited**  
Address: : PO Box 34125, Birkenhead, Auckland 0746  
Telephone: : +64 9 480 4386  
Facsimile: : +64 9 480 4385  
Emergency phone number: : 0800 243 622 (24 hours)

<b>Product</b>	<b>Z1 Solution - Rebelein Sugar</b>
<b>Code</b>	2653

**Recommended use** : Laboratory Investigations

### 2: Hazards identification

#### **GHS Classification**

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1

**Signal Word(s)** WARNING



#### **Hazard Statement (s)**

H410 Very toxic to aquatic life with long lasting effects.

#### **Precautionary Statement(s)**

**Preventative** P273 Avoid release to the environment..

**Response** P391 Collect spillage.

#### **Storage**

**Disposal** P501 Dispose of contents/container to an approved waste disposal plant.

### 3: Composition/information on ingredients

#### **Ingredients**

<b>Chemical entity</b>	<b>CAS No</b>	<b>Proportion</b>
Copper Sulphate pentahydrate	[7758-99-8]	4.2%
Sulphuric Acid	[7664-93-9]	<0.1%
Water	[7732-18-5]	to 100%

### 4: First aid measures

Safety showers and eye wash facilities should be provided.

#### **Swallowed :**

If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

#### **Eye :**

Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

**Skin :**

Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Show this SDS to medical practitioner. Launder clothing before reuse.

**Inhaled :**

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance.

Show this SDS to a doctor.

**5: Firefighting measures****Suitable Extinguishing Media:**

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Hazards from Combustion Products:**

Decomposition products include sulphur oxides.

**Precautions for Fire Fighters and Special Protective Equipment:**

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

**6: Accidental release measures****Emergency procedures:**

Prevent from entering waterways. Restrict access to area. Remove chemicals that can react with the spilled material.

**Methods and materials for containment and clean up:**

Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

**7: Handling and storage****Precautions for Safe Handling:**

Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Do not pipette by mouth.

**Conditions for Safe Storage:**

Store sealed in original container in a cool well-ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

**8: Exposure controls/personal protection****National Exposure Standards:**

SWA – Copper dusts and mists (as Cu) TWA 1mg/m<sup>3</sup>

**Biological Limit Values:**

No data available.

**Engineering Controls:**

Not usually required with normal use.

**Personal Protective Equipment (PPE):**

The use of nitrile or neoprene gloves complying with AS 2161 and the use of face shield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

## 9: Physical and chemical properties

Appearance	: Clear blue liquid
Odour	: Nil
pH	: 2
Boiling Point (°C)	: 100
Freezing/melting Point	: Not applicable
Vapour Pressure (mm of Hg @ 250°C)	: 25
Vapour Density	: Not applicable
Specific Gravity	: 1
Flash Point (°C)	: Not flammable
Flammability Limits (%)	: Not flammable
Solubility in Water (g/L)	: Soluble

## 10: Stability and reactivity

Chemical stability	: Stable.
Conditions to avoid	: Excessive heat. Sunlight.
Incompatible materials	: Acids, oxidizing agents.
Hazardous decomposition products	: Refer to section 5 (Fire Fighting Measures).
Hazardous reactions	: Hazardous polymerization will not occur.

## 11: Toxicological information

### Health Effects

Swallowed	: Irritating to the gastric system. For copper sulphate pentahydrate LD50 oral rat 300mg/kg ;oral -human LDLo 50mg/kg.
Eye	: Irritating to eye tissue.
Skin	: Irritating to skin tissue.
Inhaled	: Not considered a hazard with normal laboratory use.
Chronic Effects	: No known effects.

## 12: Ecological information

Ecotoxicity	: No data available.
Persistence and degradability	: No data available.
Mobility	: No data available.

## 13: Disposal considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

## 14: Transport Information Table

UN Number	: None Allocated
UN Proper Shipping Name	: None Allocated
Class and subsidiary risk(s)	: None Allocated
Packing Group	: None Allocated
Hazchem Code	: None Allocated
Special precautions for user	: Nil

## 15: Regulatory information

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):**  
Not Scheduled

## 16: Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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