



## Safety Data Sheet

Date of Issue: 02.07.2024

Date of Expiry: 02.07.2029

### 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 Name</b>	<b>Fehling's No. 2 Solution</b>
<b>Product Code</b>	<b>23608</b>

### 2. HAZARDS INFORMATION

**GHS Classification** Skin Corrosion/Irritation: Category 1  
Serious Eye Damage/Irritation: Category 1  
Corrosive to metals: Category 1

**Signal Word(s)** DANGER  
**Pictogram(s)**



**Hazard Statement (s)** H290 May be corrosive to metals  
H314 Causes severe skin burns and eye damage.

**Precautionary Statement(s)  
Preventative**

P234 Keep only in original container  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P363 Wash contaminated clothing before reuse.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage** P405 Store locked up.  
P406 Store in corrosive resistant/... container with a resistant inner liner.

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

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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#### **Ingredients :**

<b>Chemical Entity</b>	<b>CAS No</b>	<b>Proportion</b>
Sodium hydroxide	[1310-73-2]	15%
Potassium Sodium Tartrate	[304-59-6]	35%
Water	[7732-18-5]	to 100%

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### 4. FIRST AID MEASURES

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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.

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### 5. FIRE FIGHTING MEASURES

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#### **Suitable Extinguishing Media:**

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

#### **Hazards From Combustion Products:**

Sodium hydroxide and its solutions will not burn or support combustion. However contact with aluminium, zinc or tin may generate explosive hydrogen gas. Decomposition products include sodium oxide.

#### **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.

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### 6. ACCIDENTAL RELEASE MEASURES

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#### **Emergency procedures:**

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

#### **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  
Fehling=s No 2 Solution

and dispose of in accordance with local regulations.

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## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling:

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

### 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.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### National Exposure Standards:

Work Safe Australia – Sodium hydroxide 2mg/m<sup>3</sup> TWA & Peak Limitation

**Biological Limit Values:** No data available.

### Engineering Controls:

Not required with normal use. If mists are likely to be generated maintain atmospheric concentrations well below exposure standards with extraction ventilation.

### Personal Protective Equipment (PPE):

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance :	Clear liquid
Odour:	Nil
pH:	14
Boiling Point (°C) :	Not applicable
Freezing/melting Point:	Not applicable
Vapour Pressure (mm of Hg @ 25°C) :	Not applicable
Vapour Density:	Not applicable
Specific Gravity :	1
Flash Point (°C) :	Not flammable
Flammability Limits (%) :	Not flammable
Solubility in Water (g/L) :	Soluble

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## 10. STABILITY AND REACTIVITY

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**Chemical stability:** Stable.

**Conditions to avoid:** Exposure to air. Absorbs carbon dioxide

**Incompatible materials:** Acids, organic materials, chlorinated solvents, aluminum, phosphorus, tin and zinc.

**Hazardous decomposition products:** Refer to section 5 (Fire Fighting Measures).

**Hazardous reactions:** Hazardous polymerization will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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### Health Effects:

Fehling=s No 2 Solution

**Swallowed** : Causes severe burns. Ingestion may cause vomiting, diarrhoea, collapse and possibly death. For sodium hydroxide LD50 oral - rabbits 500mg/kg.

**Eye** : Causes severe burns. Causes severe burns and possible permanent damage. For sodium hydroxide 100mg rinse produced severe irritation of rabbit eyes.

**Skin** : Causes severe burns. Corrosive to skin tissue. Causes severe burns with possible ulceration. 500mg of sodium hydroxide produced severe irritation of rabbit skin after 24hrs.

**Inhaled** : Extremely corrosive to respiratory tissue. Inhalation of mists may be fatal as a result of spasm, inflammation and oedema of the larynx and bronchi, chemical pneumonitis and pulmonary oedema.

**Chronic Effects:** No data available.

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:** No data available.

**Persistence and degradability:** No data available.

**Mobility:** No data available.

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORT INFORMATION

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**UN Number:** 1719

**UN Proper Shipping Name:** CAUSTIC ALKALI LIQUID, N.O.S

**Class and subsidiary risk(s):** 8

**Packing Group:** II

**Hazchem Code:** 2R

**Special precautions for user :** Nil

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## 15. REGULATORY INFORMATION

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**Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):**

Schedule 6

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## 16. OTHER INFORMATION

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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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