

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** : MK M.P.C.  
**Chemical Formula** : Compounded product  
**Chemical Family** : N/A  
**Uses** : Alkaline base stain removal  
**Supplier** : Marckem Sdn Bhd  
**Address** : No.43, Jalan 3/62B, Bandar Menjalara Kepong, 52200  
Kuala Lumpur  
**Contact** : 03-62773568  
**Email** : kl\_inquiry@marckem.com

**SECTION 2. HAZARDS IDENTIFICATION**

**Hazard Pictograms** :  
**Signal Word** : Warning; Danger  
**Hazard Classifications** : Skin corrosion – Category 1B  
: Serious eye damage – Category 1  
: Acute toxicity (Oral) – Category 4  
**Hazard Statements** : H302: Harmful if swallowed.  
: H314: Causes skin corrosion.  
: H318: Causes serious eye damage.  
**Precautionary Statements: Prevention**  
: P102: Keep out of reach of children.  
: P233: Keep container tightly closed.  
: P264: Wash hands 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.  
: P302+P352: IF ON SKIN: wash with soap and water.  
: P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical Name</b>	Potassium Hydroxide	2-Butoxyethanol
<b>CAS No.</b>	1310-58-3	111-76-2
<b>Proportion</b>	1.50%	6.00%
<b>Exposure Limit</b>	PEL:2mg/m <sup>3</sup>	PEL, skin:50ppm
<b>Toxicological</b>	NDA	LD50/oral/rat: 2.68ml/kg

## SECTION 4. FIRST AID MEASURES

**Eye Contact** : Wash the eyes with large amount of water. If any irritation or discomfort persists, seek medical attention.

**Skin Contact** : Wash the affected area with large amount of water. If any irritation or discomfort persists, seek medical attention.

**Inhalation** : Remove the affected person to fresh air. If any irritation or discomfort persists, seek medical attention.

**Ingestion** : Do not induce vomiting. The affected person may be given water to drink. Seek immediate medical attention.

## SECTION 5. FIRE FIGHTING MEASURES

**Product** : Not considered as flammable

**Flash Point** : Not determined (Aqueous System)

**Autoignition Temperature:** NA

**Flammable Limit (%)** : Not determined (Aqueous System)

**Explosion Properties** : NA

**Extinguishing Media** : Large fire: Alcohol type or all-purpose type foam.  
: Small fire: CO<sup>2</sup> or dry chemical.

**Fire Fighting Instruction** : Wear full protective cloth & self-contained breathing apparatus.

**Explosion Hazard in Presence of Various Chemical** : None

## SECTION 6. ACCIDENTAL RELEASE MEASURE

**Small Leak or Spill** : Flush away to drain using large amount of water.

**Large Spill** : Collect spills for disposal. Wear protective equipment.

## SECTION 7. HANDLING AND STORAGE

**Handling** : Avoid direct contact with eyes. Always follow industrial safety practices.

**Storage** : Store in cool, dry place. Keep container closed and away from acidic products.

## SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### a) Exposure Limit:

<b>Chemical Name</b>	Potassium Hydroxide	2-Butoxyethanol
<b>CAS No.</b>	1310-58-3	111-76-2
<b>Standard</b>	PEL:2mg/kg	PEL, skin:50ppm
<b>Reference</b>	OSHA	Two OSHA

**b) Personal Protection** : Protective clothing, gloves and goggles should be worn if prolonged contact or use is anticipated.

**Respiratory Protection** : None required in normal use.

**c) Ventilation** : General room ventilation is considered sufficient.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Dark red liquid

**Odour** : Characteristic chlorine scent

**Solubility** : Complete

**Boiling Point** : ~100c

**Melting Point** : NA

**Vapour Pressure (mm of Hg at 255c)** : NA

**Percent Volatiles** : >90%

**Evaporation Rate** : NA

**Specific Gravity (26c)** : ~1.2  
**Other Properties if Applicable** : pH 11.0-12.0

## SECTION 10. STABILITY AND REACTIVITY

**Conditions to Avoid** : Do not mix with other chemicals.  
**Incompatible** : Acids  
**Decomposition Products** : Burning may produce CO, CO<sup>2</sup>.  
**Hazardous Polymerization** : Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicity Data** : No data currently available  
**Carcinogenicity** : No data currently available  
**Reproductive Effect** : No data currently available  
**Effects of Over Exposure** :

<u>Route of Entry</u>	<u>Effects</u>
<b>Eyes Contact</b>	: Can cause irritation and redness to eyes.
<b>Skin Contact</b>	: Can cause sensitisation to the skin.
<b>Inhalation</b>	: Can cause irritation of nose.
<b>Ingestion</b>	: Can cause stomach discomfort, nausea, and vomiting.
<b>Chronic Effects</b>	: No data currently available
<b>Target Organs</b>	: No data currently available
<b>Medical Conditions General Aggravated by Exposure</b>	: No data currently available

## SECTION 12. ECOLOGICAL INFORMATION

**Mobility** : Miscible with water.  
**Bioaccumulation** : No data currently available.  
**Biodegradability** : Easily biodegraded.  
**Aquatic Toxicity** : Harmful to aquatic organisms.

**SECTION 13. DISPOSAL CONSIDERATION**

Dispose in accordance with all applicable national environment laws and regulations.

**SECTION 14. TRANSPORT INFORMATION**

**UN No.** : NA

**Classification** : NA

**Packing Group** : NA

NA = Not Applicable

NDA = No Data Available

**SECTION 15. REGULATORY INFORMATION**

Kindly refer to local regulatory which applicable.

**SECTION 16. OTHER INFORMATION****Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of Marckem Sdn Bhd knowledge, information, and belief accurate as the data indicated.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.