

1) IDENTIFICATION OF HAZARDOUS CHEMICALS AND SUPPLIER

Product Information

Product Name : MK M.P.C.
 Chemical Formula : COMPOUNDED PRODUCT
 Chemical Family : NA
 Uses : MULTIPURPOSE NEUTRAL CLEANER
 Supplier Name : MARCKEM SDN BHD
 Supplier Address : NO. 43, JALAN 3/62B
 BANDAR MANJALARA KEPONG
 52200 KUALA LUMPUR
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2) HAZARDS IDENTIFICATION



WARNING



DANGER

1. Proposed Classification : CORROSIVE
 2. Most Important Hazards : CAUSES BURNS. HARMFUL IF SWALLOWED

3) COMPOSITION AND INFORMATION INGREDIENTS OF HAZARDOUS CHEMICAL

CHEMICAL NAME	Potassium Hydroxide	2-Butoxyethanol
CAS NO	1310-58-3	111-76-2
PROPORTION	1.50%	6.00%
EXPOSURE LIMIT	PEL : 2mg/M3	PEL, skin : 50ppm
TOXICOLOGICAL	NDA	LD50/oral/rat : 2.68ml/kg

4) FIRST AID MEASURES

- Eye Contact : WASH THE AFFECTED AREA WITH LARGE AMOUNT OF WATER OR EYEWASH SOLUTION. IF ANY IRRITATION OR DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.
- Skin Contact : REMOVE CONTAMINATED CLOTHING. WASH THE AFFECTED AREA WITH LARGE AMOUNT OF WATER. IF ANY IRRITATION OR DISCOMFORT, 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

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 : CO2 OR DRY CHEMICAL
- Fire Fighting Instruction : WEAR FULL PROTECTIVE CLOTH & SELF CONTAINED BREATHING APPARATUS.
- Explosion Hazard in Presence of Various Chemical : NONE

6) ACCIDENTAL RELEASE MEASURE

- Small Leak or Spill : FLUSH AWAY TO DRAIN USING LARGE AMOUNT OF WATER
- Large Spill : COLLECT SPILLS FOR DISPOSAL. INCINERATE WASTE IN ACCORDANCE WITH REGULATIONS

7) HANDLING AND STORAGE

- Handling : AVOID DIRECT CONTACT WITH EYES. ALWAYS FOLLOW INDUSTRIAL SAFETY PRACTICES.
- Storage : STORE WELL AWAY FROM ACIDS AND PROTECT FROM EXTREMES OF TEMPERATURE

8) EXPOSURE CONTROL AND PERSONAL PROTECTION

a) Exposure Limit

CHEMICAL NAME	POTASSIUM HYDROXIDE	2-BUTOXYETHANOL
CAS NO	1310-58-3	111-76-2
STANDARD	PEL : 2mg/kg	PEL, skin : 50ppm
REFERENCE	OSHA	TWO OSHA

b) Personal Protection

Eye/Skin Protection : PROTECTION CLOTHING, GLOVES, AND GOGGLES SHOULD BE WORN IF PROLONGED CONTACT OR USE IS ANTICIPATED

Respiratory Protector : NONE REQUIRED IN NORMAL USE.

c) Ventilation : GENERAL ROOM VENTILATION IS CONSIDERED SUFFICIENT.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	CLEAR YELLOWISH LIQUID
Odour	:	CHARACTERISTIC CHLORINE SMELL
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	:	NA

10) STABILITY AND REACTIVITY

Conditions To Avoid	:	DO NOT MIX WITH OTHER CHEMICAL
Incompatibles	:	ACIDS
Decomposition Products	:	BURNING MAY PRODUCE CO, CO2
Hazardous Polymerization	:	WILL NOT OCCUR

11) TOXICOLOGICAL INFORMATION

Toxicity Data	:	NO DATA CURRENTLY AVAILABLE
Carcinogenicity	:	NO DATA CURRENTLY AVAILABLE
Reproductive Effect	:	NO DATA CURRENTLY AVAILABLE

Effects of Over Exposure

Route of Entry

Effects

Eyes contact	CAN CAUSE IRRITATION AND REDNESS TO EYES
Skin Contact	CAN CAUSE SENSITISATION TO THE SKIN
Inhalation	CAN CAUSE IRRITATION OF NOSE
Ingestion	CAN CAUSE STOMACH DISCOMFORT, NAUSEA AND VOMITING

Chronic Effects	:	NO DATA CURRENTLY AVAILABLE
Target Organs	:	NO DATA CURRENTLY AVAILABLE
Medical Conditions General Aggravated By Exposure	:	NO DATA CURRENTLY AVAILABLE

12) ECOLOGICAL INFORMATION

Mobility	:	MISCIBLE WITH WATER
Bioaccumulation	:	NDA
Biodegradability	:	EASILY BIODEGRADED
Aquatic Toxicity	:	HARMFUL TO AQUATIC ORGANISMS

13) DISPOSAL CONSIDERATION

Dispose in accordance with all applicable national environment laws and regulations

14) TRANSPORT INFORMATION

UN no. : NA
Classification : NA
Packing Group : NA

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

15) REGULATORY INFORMATION

Kindly refer to local regulatory which applicable.

16) OTHER INFORMATION

Disclaimer

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