

1) IDENTIFICATION OF HAZARDOUS CHEMICALS AND SUPPLIER

Product Information

Product Name : MK DISH CARE
 Chemical Formula : COMPOUNDED PRODUCT
 Chemical Family : NA
 Uses : LIQUID DETERGENT FOR AUTOMATIC
 DISH WASHER
 Supplier Name : MARCKEM SDN BHD
 Supplier Address : NO. 43, JALAN 3/62B
 BANDAR MANJALARA KEPONG
 52200 KUALA LUMPUR
 Supplier Contact : 03- 62773568
 Email Address : marckemsdnbhd@gmail.com

2) HAZARDS IDENTIFICATION



DANGER



WARNING



DANGER

1. Proposed Classification : IRRITANT
 2. Most Important Hazards : IRRITANT TO EYES AND SKIN
 HARMFUL IF SWALLOWED

3) COMPOSITION AND INFORMATION INGREDIENTS OF HAZARDOUS CHEMICAL

CHEMICAL NAME	CAS NO.	PROPORTION %
POTASSIUM HYDROXIDE	1310-58-3	< 10.0
POTASSIUM PYROPHOSPHAT	7320-34-5	< 10.0
SODIUM HYPOCHLORITE	7681-52-9	< 3.0
SODIUM META SILICATE	13517-24-3	< 5.0

4) FIRST AID MEASURES

- Eye Contact : FLUSH WITH LARGE QUANTITY OF WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
- Skin Contact : WASH THE AFFECTED AREA WITH LARGE AMOUNTS OF WATER. IF ANY IRRITATION OF DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.
- Inhalation : REMOVE THE AFFECTED PERSON TO FRESH AIR. IF ANY IRRITATION OR DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.
- Ingestion : DRINK WATER OR MILK. IF ANY IRRITATION OR DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.

5) FIRE FIGHTING MEASURES

- Product : NOT CONSIDERED AS FLAMMABLE
- Flash Point : NOT DETERMINED (AQUEOUS SYSTEM)
- Autoignition Temperature : NOT DETERMINED (AQUEOUS SYSTEM)
- Flammable Limit (%) : NOT DETERMINED (AQUEOUS SYSTEM)
- Explosion Properties : NOT DETERMINED (AQUEOUS SYSTEM)
- Extinguishing Media : USE ALCOHOL RESISTANT FOAM, CARBON DIOXIDE, OR DRY CHEMICAL SPRAY
- Fire Fighting Instruction : ON BURNING WILL EMIT TOXIC FUMES, INCLUDING THOSE OXIDES OF CARBON. FIRE FIGHTERS WEAR SELF-CONTAINED BREATHING APPARATUS AND SUITABLE PROTECTIVE CLOTHING IF RISK OF EXPOSURE OR PRODUCTS COMBUSTION
- Explosion Hazard in Presence : NONE

6) ACCIDENTAL RELEASE MEASURE

- Small Leak or Spill : DISCHARGE INTO SEWERS OR STREAMS USING LARGE AMOUNT OF WATER
- Large Spill : COLLECT WELL AWAY FROM ACIDS AND PROTECT FROM EXTREMES OF TEMPERATURE

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 : NONE ESTABLISHED

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 : LIGHT YELLOW
Odour : CHLORINE
Solubility : MISCIBLE IN WATER
Boiling Point : > 120c
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 14.0

10) STABILITY AND REACTIVITY

Conditions To Avoid	:	DO NOT MIX WITH OTHER CHEMICAL
Incompatibles	:	INCOMPATIBLE WITH STRONG OXIDING
Decomposition Products	:	BURNING MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE
Hazardous Polymerization	:	OXIDES OF CARBON

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	MAY CAUSE SEVERE DAMAGE TO CORNEA
Skin Contact	CAN CAUSE SENSITISATION TO THE SKIN
Inhalation	CAN CAUSE IRRITATION ON NOSE, THROAT AND RESPIRATORY TRACT IN HIGH VAPOUR CONDITION
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	:	NO DATA CURRENTLY AVAILABLE
Bioaccumulation	:	NO DATA CURRENTLY AVAILABLE
Biodegradability	:	EASILY BIODEGRADED
Aquatic Toxicity	:	NO DATA CURRENTLY AVAILABLE

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

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