



SAFETY DATA SHEET

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Revised edition no : 00

P-542 BRIGHTENER MB27

Effective Date: 27.2.2024

1 Identification of the Product and the company

Chemical Name : Brightener MB27
Type of product chemical family : N/A
Use : Acidic Cleaner
Producer : TLC-KOYA CHEMICALS MANUFACTURING SDN BHD
No.22 & 23, Jalan Maju 1,
Cemerlang Industrial Estate,
81800 Ulu Tiram, Johor, Malaysia.
Tel: 607-8675798 Fax: 607-8675799
Website: www.koyachemicals.com Email: admin@koyachemicals.com
Emergency phone no. : See producer

2 Hazard Identification

HAZARD PICTOGRAM



SIGNAL WORD: DANGER

CLASSIFICATION

Skin Corrosion or irritation	Category 1
Serious eye damage or eye irritation	Category 1
Hazardous to the aquatic environment-chronic hazard	Category 2

Hazard Statement

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H411	Toxic to aquatic life with long lasting effects

Precautionary statement-Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement-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.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment
P363	Wash contaminated clothing before reuse.
P391	Collect spillage

Precautionary statement-storage

P405	Store locked up.
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Precautionary statement-disposal

P501

Dispose of contents and container to appropriate waste site in accordance with local and national regulations.

3 Composition / Information on Ingredients

Phosphoric Acid 85% : 10 to <30%
Nonylphenol Ethoxylate : 3 to <5%

4 First Aid Measures

Inhalation : Remove person to fresh air. Get medical attention if feeling unwell.
Skin Contact : Flush with running water. If signs develop, get medical attention.
Eye Contact : Flush with cool running water, lifting the upper and lower eyelids occasionally until discomfort is relieved.
Ingestion : Rinse mouth. Do not induce vomiting. Get immediate medical attention.

5 Fire-Fighting Measures

Fire Hazard - Product is water based and in wet form, its fire hazard is low. Decomposition products might be toxic.
Extinguishing media - All extinguishing media are suitable (Water, powder, CO₂, sand and etc.)
- To prevent environmental damage, if possible collect water used to extinguish the fire in containers.

6 Accidental Release measures

Personal protection - Wear PVC gloves and goggles to contain spillage. Avoid repeated skin contact.
Environment precautions - Prevent the product contaminating soil and groundwater. Prevent the product entering sewers and waterways. Cfr.Section 12.
Cleaning / recovery - Large spillages : contain and pump into containers
- Small spillages : absorb on absorbent material such as sand, earth and place into containers for disposal. Disposal should always comply with local, national or EEC regulations. Cfr.Section 13.

7 Handling and Storage

Handling : Good industrial and personal hygiene practice should be followed. No eating and drinking when using this product. Ensure adequate ventilation. Keep out of reach of children. Avoid release to the environment. Use personal protective equipment as required.
Storage : Storage temperature : between +5 and +40°C.
Protect from frost and direct sunlight.
Drums and bottles : material is plastic
Bulk tanks : stainless steel, plastic coated materials, clean bulk tanks periodically to prevent accumulation of bacteria.
Specific use : Use the best available methods of handling our products whereby the employees enjoy maximum safety and whereby the environment is minimally affected.

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8 Exposure controls / personal protection

- Exposure limit values : No danger in normal ambient conditions.
There are no specific limiting values for professional exposure.
There are no biological limiting values.
User should determine the conditions for safe use of the product. Cfr. Section 7 "Handling and Storage".
- Exposure controls:
- Occupational exposure controls : Respiratory protection : not applicable
Hand protection : waterproof PVC/Neoprene/Nitrile gloves
Eye protection : goggles or safety glasses
Skin protection : N/A
Avoid repeated skin contact.
 - Environmental exposure controls : The product must not be discharge directly into drains or waterways without treatment.

9 Physical and chemical properties

- pH : -0.05 ± 0.5
Appearance and odor : Clear liquid & Acid odour
Solubility in water : Complete soluble in water.
Specific Gravity ($H_2O=1$) : 1.20

10 Stabiity and reactivity

- Conditions to avoid : Stable under the recommended storage conditions. Cfr. Section 7 "Storage".
Bacterial degradation can occur if the product is stored for an unusually long period or is stored under unsuitable conditions.
- Materials to avoid : N/D
Hazardous decomposition products : N/D

11 Toxicological information

- On product : Low toxicity is indicated by available data.
Under normal industrial conditions, there is no indication that the product can be considered as a health risk.
Skin contact should be avoided to prevent possible long-term or short-term sensitisation.

12 Ecological information

- Ecotoxicity : The product is soluble in water and as such could cover considerable distances if spilled into waterways. Even a small spillage will whiten the appearance of water.
Water for sewage treatment, that has been contaminated.
With small quantities of the product, will not affect the biomass. High concentrations mayb be harmful to fish and microorganisms.
- Mobility : Not established.
- Persistence and degradability : There is only a slow environmental degradation of the product.
- Bioaccumulative potential : There is seemingly no tendency for bioaccumulation.
- Other adverse effects : Unknown

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13 Disposal Considerations

- The following advice only applies to the product as supplied
- Combination with other materials may well indicate another route of disposal. If in doubt, contact TLC-KOYA CHEMICALS MANUFACTURING SDN BHD or local authorities.
- Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.
- Care should in any case be taken to ensure compliance with national and local regulations.
- This product is not suitable for disposal by either landfill or via municipal sewers, drains, and natural streams, rivers or seas, they will effect the relationship between living things, plants and their environment.

14 Transport information

General information : This product is not regulated for road/rail & sea transport.

15 Regulatory Information

Classification and labeling	: Classification /symbol - not regulated
Governing directive	: Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997
Safety advice	: (May contain information in excess of requirements under applicable laws.
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16 Other information

Further information : None
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N/A - Not Applicable N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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