



# SAFETY DATA SHEET

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Revised edition no : 04

## P-113 GLASS & WINDOW CLEANER

Effective Date: 25/7/2024

### 1 Identification of the Product and the company

Chemical Name : Glass & Window Cleaner  
Type of product chemical family : N/A  
Use : Cleaning Glass and window  
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

Pictogram :



SIGNAL WORD: Danger

Skin corrosion or skin irritation Category 1  
Serious eye damage or eye irritation Category 1

#### **Hazard Statements**

H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage

#### **Precautionary statement-prevention**

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash thoroughly after handling.  
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.

#### **Precautionary statement-storage**

P405 Store locked up.

#### **Precautionary statement-disposal**

P501 Dispose of contents and container to appropriate waste site in accordance with local and national regulations.

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### 3 Composition / Information on Ingredients

Hazardous Ingredients	Concentration
Ammonia Aqueous Solution	<1%
Surfactant	1 to <3%

### 4 First Aid Measures

Inhalation	: Remove person to fresh air. Treatment based on judgement of physician in response to reaction of patient.
Skin Contact	: Wash with soap and water. Not expected to present a significant skin hazard under anticipated condition of normal use.
Eye Contact	: Flush with cool running water, lifting the upper and lower eyelids occasionally until discomfort is relieved.
Ingestion	: Immediately rinse mouth with water. Do not induce vomiting unless instructed by medical personnel. Seek medical attention if symptoms occur.

### 5 Fire-Fighting Measures

Fire Hazard	: Product is water based and in wet form, its fire hazard is low. The dried product is combustible, decomposition product can be toxic.
Extinguishing media	: Water, powder, CO <sub>2</sub> , sand. All extinguishing media are suitable. Protective clothing and self-contained breathing equipment should be available for firemen. 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 materials and collect 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 in the workplace. Avoid contact with eyes, skin and clothing. Wash contaminated clothing and other protective equipment before storage or re-use. Ensure adequate ventilation.
Storage	: Storage temperature : between +5 and +40°C. Protect from frost and direct sunlight. Drums and bottles : material is plastic or steel. 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-gloves (CE)  
Eye protection : goggles or safety glasses (CE)  
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

- Appearance : Clear Blue Liquid  
pH Value : 10 +/- 1  
Solubility in water : This product is miscible in water  
Specific Gravity (H<sub>2</sub>O=1) : 0.98-0.99 @ 28.9°C

### 10 Stabiity and reactivity

- Chemical stability : Stable under the recommended storage conditions.  
Conditions to avoid : Heat, Flames, Sparks and Ignition sources.  
Incompatibility (materials to avoid) : Strong oxidizing and reducing agent.  
Hazardous Decomposition Products : Carbon monoxide and carbon dioxide on combustion.  
Hazardous Polymerization : Will not occur.

### 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.  
Repeated skin contact should be avoided to prevent possible long-term or short-term sensitiation.  
Eye contact causes irritation.

### 12 Ecological information

- Ecotoxicity : The product is soluble with water and as such could cover considerable distances if spilled into waterways.  
Water for sewage treatment, that has been contaminated.  
With small quantities of the product, will not affect the biomass. High concentration may 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 local 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  
Print date : 25/7/2024

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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