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|---------------------------------|---------------------------|
| <b>SAFETY DATA SHEET</b>        | Page :1                   |
| <b>P-640CR (ACIDIC)</b>         | Revised edition no : 00   |
| <b>TANKER CLEANING SOLUTION</b> | Effective Date: 25/7/2024 |

**1 Identification of the Product and the company**

Chemical Name : Tanker Cleaning Solution  
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 |
| Respiratory sensitization                           | Category 1 |
| Specific target organ toxicity-single exposure      | Category 3 |
| Hazardous to the aquatic environment-chronic hazard | Category 2 |

**Hazard Statement**

H314: Causes severe skin burns and eye damage  
H318: Causes serious eye damage  
H334: May cause allergic or asthma symptoms or breathing difficulties if inhaled  
H335: May cause respiratory irritation (respiratory tract irritation)  
H411: Toxic to aquatic life with long lasting effects

**Precautionary statement-Prevention**

P260 Do not breathe dust/fume/gas/mist/vapours/spray  
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P285 In case of inadequate ventilation wear respiratory 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.  
P304+P341 IF INHALED: If breathing is difficult, 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.



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|           |   |
|-----------|---|
| P310      | Immediately call a POISON CENTER or doctor/physician.                             |
| P312      | call a POISON CENTER or doctor/physician if you feel unwell.                      |
| P321      | Specific treatment reference to supplemental first aid instruction.               |
| P342+P311 | If experiencing respiratory symptoms: call a POISON CENTER or doctor / physician. |
| P363      | Wash contaminated clothing before reuse.  |
| P391      | Collect spillage  |

**Precautionary statement-storage**

|           |  |
|-----------|--|
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405      | Store locked up.   |

**Precautionary statement-disposal**

|      |   |
|------|---|
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulation |
|------|---|

**3 Composition / Information on Ingredients**

|                     |             |
|---------------------|-------------|
| Hydrochloric Acid   | : 5 to <10% |
| Phosphoric Acid     | : 3 to <5%  |
| Nonyphenoxy ethanol | : 3 to <5%  |

**4 First Aid Measures**

|              |  |
|--------------|--|
| Inhalation   | : Remove from exposure and get fresh air.  |
|              | : Treatment based on judgement of physician in response to reaction of patient.  |
| Skin Contact | : Remove contaminated clothing. Flush affected area with large amounts of water, then use soap or mild detergent and large amounts of water to cleanse area. |
| Eye Contact  | : Flush with cool running water, lifting the upper and lower eyelids occasionally until discomfort is relieved. Seek medical attention.                      |
| Ingestion    | : Immediately rinse mouth with water. Do not induce vomiting unless instructed by medical personnel. Seek immediate medical attention.                       |

**5 Fire-Fighting Measures**

|                     |  |
|---------------------|--|
| Extinguishing media | : <ul style="list-style-type: none"><li>- Water, powder, CO<sub>2</sub>, and sand. All extinguishing media are suitable.</li><li>- Protective clothing and self-contained breathing equipment should be available for firemen.</li><li>- To prevent environmental damage, if possible collect water used to extinguish the fire in containers.</li></ul> |
| Fire hazards        | : <ul style="list-style-type: none"><li>- Not combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.</li></ul>   |

**6 Accidental Release measures**

|                         |  |
|-------------------------|--|
| Personal protection     | : <ul style="list-style-type: none"><li>- Wear PVC-gloves and goggles to contain spillage.</li><li>- Avoid repeated skin contact.</li></ul>  |
| Environment precautions | : <ul style="list-style-type: none"><li>- Prevent the product contaminating soil and groundwater.</li><li>- Prevent the product entering sewers and waterways. Cfr.Section 12.</li></ul>   |
| Cleaning / recovery     | : <ul style="list-style-type: none"><li>- Large spillages : contain and pump into containers</li><li>- Small spillages : absorb on absorbent material and collect into containers for disposal. Diaposal should always comply with local, national or EEC regulations. Cfr.Section 13.</li></ul> |

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#### 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.

#### 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 discharged directly into drains or waterways without treatment.

#### 9 Physical and chemical properties

- Appearance : Clear liquid
- PH of concentrate : -1 +/- 1
- Odour : Acid odour
- Solubility in water : Completely soluble in water.
- Specific Gravity (H<sub>2</sub>O=1) : 1.20

#### 10 Stability and reactivity

- Chemical stability : Stable under the recommended storage conditions. Cfr. Section 7 "Storage".
- Conditions to avoid : 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 : 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 sensation.  
: Eye contact causes irritation and pain.  
: Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in discomfort.

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## 12 Ecological information

|                               |  |
|-------------------------------|--|
| Ecotoxicity                   | : The product is soluble with water and as such could cover considerable distances if spilled into waterways.<br>Water for sewage treatment, that has been contaminated.<br>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  |

## 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.                                       |

### **Precautionary statement-Prevention**

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### **Precautionary statement-response**

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P405 Store locked up.

**Precautionary statement-disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

**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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