

Product: **LIQUID PROTETOX NS**

CMSDS No.: 007

Date of last review: 11/01/2010

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Name:** LIQUID PROTETOX NS  
**Internal identification code:** 000028  
**Company Name:** Proquitech Indústria de Produtos Químicos e Representação Comercial S.A  
**Address:** Rua Ifema, 291 – Vargem Grande Paulista / SP  
**Emergency Phone No.:** (11) 4158 8400  
**Fax:** (11) 4158 3184

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

>>> Prepared:

**Chemical nature:** Styrenated phenol

#### INGREDIENTS OR IMPURITIES CONTRIBUTING FOR THE HAZARD

- **Chemical or generic name of each ingredient contributing for the hazard:** Phenol and Styrene
- **Concentration or concentration range of each ingredient contributing for the hazard:** Undetermined

### 3. HAZARDS IDENTIFICATION

#### Specific Hazards:

- **Adverse effects to human health:** When swallowed or inhaled, vapors may cause indisposition, headache, somnolence, convulsion and fainting.

### 4. FIRST-AID MEASURES

#### First-aid measures

- **Inhalation:** In case of vapors inhalation for a long time, take the victim to a ventilated location, and if the symptoms persist, seek medical care
- **Contact with the eyes:** Wash with plenty of running water for at least 15 minutes, and if irritation persists, seek medical care

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**- Swallowing:**

*Induce vomit, swallow plenty of water and seek immediate medical care.*

**Brief description of the main symptoms and effects**

*Occupational asthma, when vapors directly inhaled in large amounts.*

**Protection of the first-aid provider and/or notes for the physician:**

*Toxic product if ingested or inhaled, there is no specific antidote. Symptomatic treatment.*

**5. FIREFIGHTING MEASURES**

**Appropriate means of extinguishment:**

*Extinguishers: PQS, AP and CO2 ; Hydrants: Haze*

**Specific Hazards**

**Firefighters protection:**

*Wear the necessary PPE for fire-fighting.*

**6. CONTROL MEASURES FOR SPILLING OR LEAKAGE**

**Personal precautions**

*Isolate the area and keep people away*

**- Removal of sources of ignition:**

*Keep possible sources of ignition away to prevent fire*

**- Prevention of inhalation and contact with skin, mucous and eyes:**

*Wear: Respirators with filters for organic vapors; PVC, leather scraps or cowhide gloves; Protection goggles.*

**Precautions to the environment:**

*Prevent absorption by the soil, and flow of the product into rainwaters.*

**Methods for cleaning**

**- Recovery:**

*If possible, collect the product into an emergency container, keeping it well closed.*

**- Disposal:**

*Waste must be incinerated according to the laws in effect*

**7. HANDLING AND STORAGE**

**Handling**

*Prolonged contact with skin and eyes may cause irritation*

**- Technical measures**

**- Prevention of exposure to the worker:**

*Wear all PPE described in item 6.*

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- **Fire and explosion prevention:** *Flammable only in contact with sources of ignition, but non-explosive*
- **Precautions for safe handling:** *Wear necessary PPE to prevent contact with skin and eyes.*
- **Directions for safe handling:** *Avoid direct contact with the product*

### Storage

- **Appropriate technical measures** *Use the FIFO storage system*
- **Storage conditions**
  - **Adequate:** *Store at a covered, dry, aired location at room temperature, keeping packages well closed.*
  - **To avoid:** *Unprotected, humid locations, with high temperatures and other conditions that may contaminate the product.*
- **Incompatible products and materials:** *No incompatibilities offering hazards*
- **Safe materials for packages**
  - **Recommended:** *Iron drums and polyethylene canisters*
  - **Inadequate:** *Any other form that may contaminate the product or expose it to risks*

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

- **Occupational exposure limits:** *According to Chart No. 1 of Attachment No. 11 of NR 15 (Directive 3.214/78)*
- Appropriate Personal Protective Equipment** *Wear only PPE with the respective C.A.'s. Minimum recommendations below:*
  - **Respiratory Protection:** *Respirators with filters for organic vapors*
  - **Hands protection:** *PVC, leather scrap or cowhide gloves*
  - **Eyes protection:** *Protection goggles*

## 9. PHYSICAL-CHEMICAL PROPERTIES

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<b>Physical state:</b>	<i>Viscous liquid at room temperature</i>
<b>Color:</b>	<i>Yellow to slightly turbid</i>
<b>Odor:</b>	<i>Characteristic of the product</i>
<b>Specific temperatures or temperature ranges wherein changes of physical state occur</b>	<i>Fluidity increase occurs above 40°C</i>
<b>Flash point:</b>	<i>Above 190 °C</i>
<b>Upper/lower explosiveness limits:</b>	<i>Non-explosive product</i>
<b>Density:</b>	<i>1.030 – 1.130 g/cm<sup>3</sup> (25°C)</i>
<b>Solubility (with solvent indication):</b>	<i>Soluble in alcohol</i>

## 10. STABILITY AND REACTIVITY

### Specific Conditions

- Instability

*Stable under normal conditions*

- Hazardous reactions

### Hazardous decomposition products

*Does not decompose under normal conditions*

## 11. TOXICOLOGIC INFORMATION

### Information with the different routes of exposure

- Acute toxicity

*Toxic product by ingestion or inhalation of vapors*

- Local effects

*Irritation on skin and eyes in case of contact for a long time*

## 12. ECOLOGIC INFORMATION

### Environmental effects, behavior and impacts of the product

*Non-miscible in water. Toxic for fish and plankton.*

## 13. CONSIDERATIONS ON DISPOSAL TREATMENT

### Treatment and disposal methods

- Product and product waste:

*Incinerate it according to the Laws in effect*

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**- Used package:** *Wash with industrial or household alcohol, totally eliminating the product residues, and recycle*

#### 14. INFORMATION ON TRANSPORTATION

**National and international regulations** *No references*

#### 15. REGULATIONS

**Regulations:** *Directive 3.214/78; Dec. 96044/88*  
**- Information on risks and safety as described on label** *See information above*

#### 16. OTHER INFORMATION

*The information on the CMSDS represents the current data and accurately reflects the best of our knowledge for the appropriate handling of this product under normal conditions and according to the specific application in literature. Any other use of the product, involving combined use with another product/ other processes is a responsibility of the user.*