

### TRANSPORTATION INDUSTRY



**Neutralizer C** is a mild alkaline solution for neutralizing acids, acid products, acidic solutions, or acid waste streams. It offers improved worker safety over using a stronger alkaline material to perform this task. **Neutralizer C** is listed under NYCTA Commodity Code 70-48-1000.

### FEATURES AND BENEFITS

- Pleasant odor
- Improved worker safety

#### Use procedures

For concentrated acids, acid products, or highly acidic solutions (pH < 1), carefully predilute by adding material to water first. Mix well. Then slowly add **Neutralizer C** with mixing to solution.

Typical usage rates to achieve various pH's are as follows:

Active Acid (1 pound)	Pounds of Neutralizer C needed		
	pH 5	pH 6	pH 7
HCl (hydrochloric)	18	19	22
H <sub>2</sub> SO <sub>4</sub> (sulfuric)	13	13.5	14.4
H <sub>3</sub> PO <sub>4</sub> (phosphoric)	7	10	17

#### CAUTION

Addition of **Neutralizer C** to acid solutions will cause evolution of carbon dioxide. Some foaming, fizzing, and bubbling of solution may occur.

# NEUTRALIZER C

## MILD ALKALINE SOLUTION FOR NEUTRALIZING ACIDS

### PHYSICAL PROPERTIES

Appearance	Clear liquid
Odor	Bland
pH	9-10
Freezing Point	About 32°F
Boiling Point	About 212°F
Flash Point	Not applicable
Relative Density	1.09
Auto-Ignition Temperature	Not applicable
Water Solubility	Complete
Viscosity	Less than 5 CP at room temperature

### INCOMPATIBILITY

Strong acids.

### WAREHOUSING PRECAUTIONS

Keep container tightly closed when not in use. Do not store in direct sunlight. Avoid storing above 120°F (49°C).

### APPROVALS

NYCTA Commodity Code 70-48-1000

### AVAILABLE SIZES

55 gallon Drum

### FIRST AID MEASURES

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists or develops: Get medical advice or attention. Penetone recommends that after any eye exposure a physician be seen immediately.

**If swallowed:** Rinse mouth. Bicarbonate and carbonate will react with stomach acids, generating carbon dioxide. Ingestion of significant amounts of this product could cause stomach distress and distension. Call a poison center, doctor, physician or other competent medical authority if you feel unwell. Note: If ingested, product will react with acid in the stomach causing evolution of carbon dioxide, which may result in stomach distress and distension.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.

**If on skin:** Wash with plenty of water or a mild soap. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice or attention.

### PERSONAL PROTECTION Security equipment



WHMIS

**IMPORTANT:** Before using **NEUTRALIZER C**, always be sure to read and follow precautions and directions for use appearing on the product container label and on the safety data sheet (S.D.S).



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