100318

Neutralizer 14 – Liquid Alkaline Neutralizing Fluid.

Description:

Neutralizer 14 a concentrated solution of liquid sodium hydroxide, ~50% by weight (NaOH), CAS #: 1310-73-2. Neutralization is the pH adjustment of waste streams to within acceptable limits set by regulatory agencies (local, state and federal). While it is certainly not a complete treatment of industrial or commercial wastes, it is required in many instances as a final step before discharging into the public sewers. Many municipalities allow discharges of pH's within 6-9, but always check with your own regulatory agency for complete guidelines.

The neutralization process may also be used to precipitate and settle out heavy metals such as iron, zinc, copper, cadmium, and chromium. The first step in this process is adjustment of the pH of the waste stream. Insoluble metal hydroxides are formed by the reaction of the basic chemical with the metal at a pH range of 6.0 - 9.0. Not all metals become insoluble at the same pH. For this reason, the pH is usually adjusted to remove the metals that are the most toxic or the highest concentrations.

Applications:

For waste treatment neutralization. Add small quantities with agitation to treatment tank or process stream at ambient temperatures. Care should be taken when adding to systems with pH's less than 3. Addition of Neutralizer 14 can cause violent exothermic reactions (creating heat) and "boil-out" or explosions in non-vented systems.

Typical Usage Parameters:

	Neutralizer 14
Concentration Range	Case Dependant
Operating Temperatures	Ambient
pH Increasing	•
Neutralization	•
Color	Colorless
Form	Liquid

Physical Properties:

	Neutralizer 14
pH, Concentrate	>14
pH, @ 10% b.v.	>13.5
Bulk Density, #/gal	13
VOC (@ max. use Conc.)	None
Solubility in Water	Complete
Flash Point	None

Handling: Corrosive material handle with caution. Use with adequate ventilation.

Availability: Available in 5, 55 and 300-gallon containers. Bulk tank shipments also available.

Shipment: Freight classification: "Corrosive Liquid, NOS, 8, PGIII (Sodium hydroxide mixture) UN1760."

Storage: Keep from freezing. Store between 50-120°F. Product may freeze at temperatures < 50°F. If freezing occurs, thaw and mix until uniform.

Disposal: Dispose of in accordance with local, state, and federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-NuGen or email: info@nugentec.com.