

TECHNICAL DATA SHEET

ALK-85 NF™

PRODUCT: ALK-85 NF is a premium liquid caustic detergent for use in the Brewery, Beverage, Dairy and Food Processing Industries.

BENEFITS:

- Saves clean-up time, provides maximum fat /organic removal, and ensures rapid soil penetration.
 - No additional additives needed in most water conditions.
 - Wetting ingredients provide superior emulsification of fats and oils.
 - Feeds easily while providing a uniform cleaning solution.
 - Free rinsing that eliminates caustic residue.
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DIRECTION:

1. Immediately after use, rinse system with 100°F water until water runs clear.
2. Wash equipment at 1-5% active caustic, depending on soil load. When ALK-85 NF is used in increments of 28 oz per 10 gallons of water it provides a 1% caustic cleaning solution.
 - a. Add slowly to the surface of cold water while agitating to avoid splattering.
 - b. If solution is not agitated, or product is added too quickly, or too hot: splattering, steam, or a sudden eruption may take place.
 - c. Heat solution to 140-170°F depending on application and soil load. Kettles and Mash Tuns, run hotter than Fermenters and Brite Tanks.
3. Circulate for 20-30 minutes.
4. Rinse with 100°F water until a neutral pH is achieved.
5. Weekly or as needed wash equipment with an acid such as PC-1000. Determined by stone and mineral levels in water source.
6. Always follow with a potable water rinse or a “No Rinse” sanitizer prior to use.
7. Note: Do Not Mix with Acid Solution, keep from freezing, and for industrial use.

DILUTION:

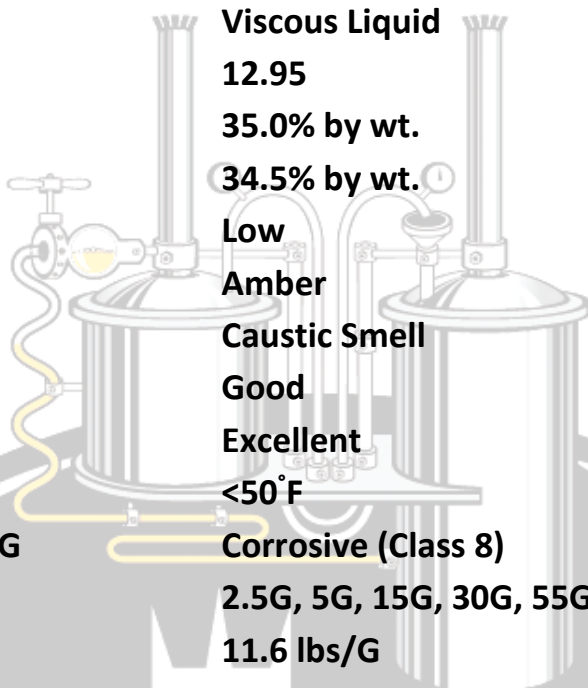
- 28 oz/10 gallons of water = 1.0% caustic solution. 12 Drops, 5.0 N Sulfuric Acid
- 141.0 oz/ 10 gallons of water = 5.0% caustic solution. 60 Drops, 5.0 N Sulfuric Acid

CALCULATION:

NUMBER OF DROPS / 12 = % CAUSTIC SOLUTION

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SPECIFICATIONS:



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|----------------------|------------------------------------|
| CHARACTERISTIC | Viscous Liquid |
| Ph of 1% SOLUTION | 12.95 |
| TOTAL ALKALINITY | 35.0% by wt. |
| ACTIVE ALKALINITY | 34.5% by wt. |
| FOAM LEVEL | Low |
| COLOR | Amber |
| ODOR | Caustic Smell |
| RINSIBILITY | Good |
| STORAGE STABILITY | Excellent |
| FREEZING POINT | <50°F |
| DOT HAZARD WARNING | Corrosive (Class 8) |
| PACKAGE SIZES | 2.5G, 5G, 15G, 30G, 55G, 260G Tote |
| WEIGHT PER GALLON | 11.6 lbs/G |
| FIELD TEST PROCEDURE | Sample Size 8.0ml |

CAUTION:

Danger – CORROSIVE. Causes severe burns to eyes and skin. Harmful and may be fatal swallowed. Contains Sodium Hydroxide. Prevent contact with skin, eyes, mucous membranes and clothing. Please refer to SDS for further precautions. TM

1. **If Swallowed:** Give large quantity of water. Do not induce vomiting. Call a physician immediately.
2. **For Eyes:** Flush with plenty of water for 15 minutes, pulling eyelid away.
3. **For Skin:** Flush with water for 15 minutes. Immediately remove contaminated clothing and wash prior to reuse. Get Prompt Medical Attention.
4. **If Spilled:** Flush with copious amounts of water. Triple rinse empty container and let dry before discarding.

(SEE SDS FOR ADDITIONAL INFORMATION)