

Soak Tank Alkaline Cleaner

Alkaline Degreaser

APPLIED A4413

Description:	Applied Soak Tank Alkaline Cleaner (A4413) is an alkaline general purpose surfactant system designed for a wide range of cleaning degreasing operations.
Intended Use:	Applied Soak Tank Alkaline Cleaner is designed for general degreasing of metals either by hot soak or hot high pressure cleaning.
Product features:	<p>Suitable for use in hot or ambient temperature cleaning operation.</p> <p>Non flammable.</p> <p>Safe on steel and magnesium.</p> <p>Safe on aluminium at < 50°C.</p> <p>Quick break oil mechanism.</p> <p>Excellent for removing grease and oil.</p> <p>Suitable for use on ferrous, aluminium and titanium metals.</p> <p>Free rinsing.</p> <p>Non caustic.</p> <p>Safe on most paints and plastics.</p> <p>Contains no phenolics, chlorinated solvents, cyanides or heavy metal salts.</p>

Typical Physical Properties:

Technical data should be considered representative or typical only and should not be used for specification purposes.

Appearance:	Clear, green liquid with mild odour
Specific Gravity:	1.06
pH (10% Solution):	12.3
Flashpoint:	Nil (non-flammable)

Directions for Use:

Immersion Tank:

- Immerse parts in a 10-45% water solution of the cleaner at 50°C to 70°C for 10 to 30 minutes.
- For most applications, a 30% solution at 50°C for 15 minutes provides satisfactory results.

Soiling	Concentration	Temperature (°C)	Time - minutes
Light to medium	10% to 20% with water	50	10 - 20
Medium to heavy soil	20% to 45% with water	50	15 - 30

- Best results are obtained if some agitation in the tank is used.
- When cleaning is complete, remove parts and allow excess solution to drain back into the tank.
- Rinse thoroughly with a water spray or dip in an air agitated, overflowing clear water rinse tank.

Note: for **aluminium** parts do NOT exceed 50°C or 45% concentration as etching or staining may occur.

Hand agitated: (wear protective clothing and eye protection)

- Clean parts with a 10-20% solution at ambient temperature using a soft bristle brush or cloth, etc.
- In some applications, rinsing may be necessary.

NOTE:

- The pH of the bath should be maintained within the range of 11.5 - 12.5 to ensure good performance.

Hot High Pressure Spray:

- Use at 1:100 to 1:200 at the nozzle depending on the degree of soil.
- Rinse with fresh water spray.

TANK DISPOSAL PROCEDURE

AIM:

To concentrate solvents into a small upper layer leaving the bulk liquid as a water-based disposable portion.

PROCEDURE

1. To the Applied 4-413 tank solution, add 5% Sodium Chloride (SALT) OR 5% Applied 5-987.
2. With agitation, heat the solution to 80°C.
3. When at 80°C, allow solution to settle for 30 minutes.
4. Re-agitate solution for a further 30 minutes.
5. Allow solution to settle for 2 hours.

It will now separate into two distinct layers in an approximate 10:90 split.

TOP LAYER

- Approximately 10% of bath solution.
- Contains oil, grease, surfactants.
- This should be disposed of through an approved disposer of solvents.

BOTTOM LAYER

- Approximately 90% of bath solution.
- Contains water, alkaline salts.
- This can be processed through the company effluent treatment system.

RECOMMENDATION

It is advisable to try this procedure in the laboratory on a small scale before treating the actual cleaning bath as different soiling may influence the separation.

Tank Construction

Stainless steel is recommended for both tank and heating coil construction.

Storage:

Store at -1°C - 59°C.

Precautions:

Please refer to appropriate safety data sheet (SDS) prior to using this product.
For technical assistance, please call 1800-063-511
FOR INDUSTRIAL USE ONLY

Warranty:

Applied will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

Disclaimer:

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and Applied makes no representations or warranties of any kind concerning this data.

Order

Information:

A4413-205 Applied Soak Tank Alkaline Cleaner 205 L
A4413-1000 Applied Soak Tank Alkaline Cleaner 1000 L (IBC)