

TECHNICAL DATA SHEET

HOUGHTO-CLEAN® NPX LIQUID ALKALINE NPE FREE ALUMINUM CLEANER

HOUGHTO-CLEAN® NPX is a highly concentrated mildly alkaline liquid emulsion soak cleaner formulated to remove general soils, oils, modern high-performance metalworking fluids, and shop dirt from aluminum extrusions prior to anodizing. HOUGHTO-CLEAN® NPX contains newer foam control technologies, allowing it to be used with vigorous air agitation or mechanical recirculation. HOUGHTO-CLEAN® NPX is formulated with ecologically-friendly alternatives to common cleaning components, minimizing environmental impact and maximizing user safety.

Applications

HOUGHTO-CLEAN® NPX is the first chemical process in the anodizing line and is designed to prepare the surface of the aluminum for subsequent processing. HOUGHTO-CLEAN® NPX produces a water break-free surface, leaving parts activated for subsequent processing. HOUGHTO-CLEAN® NPX is an emulsifying cleaner with excellent soil loading properties, which extends bath life. HOUGHTO-CLEAN® NPX has a moderate pH, microetching at higher temperatures and concentrations without preferential etching.

Benefits

- Removes soils that are difficult to clean
- Highly concentrated formula lowers floor space footprint and shipping costs
- Will not leave residues on the parts which could affect other anodizing steps
- Free of silicates, PFOS/PFOAs, nonylphenol ethoxylates, and borates
- Defoamer package allows for high air agitation, further increasing its cleaning power

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Properties

PROPERTY	OPERATING RANGE	TYPICAL VALUE	UNIT
Concentration	2 - 8	3	% by vol
Temperature	120 - 165	135	°F
Time	3 - 20	5	minutes

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose.

