



OC-ADH

Broad Spectrum Green Industrial De-scaler and Cleaner

Technical Data Sheet

Product Description

ADH is a very powerful and highly versatile, green industrial cleaner and descaler. Utilizing nano technology, ADH- is able to harness the power of a series of alpha-hydroxy carboxylic acids and potentiating them in stable yet highly effective medium. These acids are some of the smallest organic molecules with both acid and alcohol functionality, allowing for an incredibly powerful, very low corrosive cleaning formula.

A unique spectrum of properties makes ADH ideal for a variety of applications including:

Cleaning Applications

- Dairy and Food Equipment
- Masonry Surfaces
- Concrete Cleaners and Removers
- Metal Surfaces
- Industrial Water Systems
- Water Wells
- Boiler Systems

Industrial Applications

- Oil Field Down Hole Applications
- Petroleum Refining
- Pipeline Scouring
- Laundry Sours
- Leather Manufacturing

ADH™ is:

- **Natural & 100% Biodegradable Ingredients**
- **Environmentally Safe**
- Very Low VOC
- Non Toxic & Non Hazardous
- Non Flammable
- Safe for Workers

ADH- possesses excellent properties in both broad metal sequestering and solubility of hard water salts, making it highly effective at descaling and cleaning metal surfaces. An extremely low corrosiveness and broad compatibility allows for it to be used on a variety of surfaces and different applications without compromising the integrity of those components. ADH is 99% less corrosive than hydrochloric acid, yet comparable in effectiveness; meaning by using it you can protect your metal surfaces from corrosion without having to sacrifice any cleaning power.

ADH requires minimal special handling procedures in application and is significantly safer to use than conventional alternatives; both for workers and the environment.

PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY	1.26 G/CM3 at 20°C
MELTING POINT	10°C
APPEARANCE	Medium Yellow Liquid
COLOR	Medium Yellow
ODOR	Mild Slightly Sweet Odor
VISCOSITY	11.28 mPa.s at 15.6°C
FLASH POINT	None
BOILING POINT	112°C
INSOLUBLE MATTER	None
VAPOR PRESSURE	0.017 hPa at 25oC
WATER SOLUBILITY	Completely Miscible
PERCENT VOLATILE BY VOLUME	None
PH	1.2 at 25°C

Suggested Application Rates for ADH-100™

ADH works best when mixed with water. Typical dilution rates range from 20% to 70% by solution, with treatment time and budget being the main variables in those determined rates. Higher concentrations work faster.

Surface Cleaning: Premix a solution of ADH with water at 50/50 ratio, apply to test area with any commercial available spot sprayer. Treatment time depends on thickness of material to be removed. Rinse with pressure washer.

Internal Pipe Cleaning: Determine internal volume of piping to be treated. Premix a solution of ADH with water at a ratio of 1 parts 25 (1:25) to match this volume. Pump in the ADH solution and flood piping. Allow solution to soak for 1-4 hours. Treatment time depends on thickness of scaling inside the piping.

All suggestions and recommendations given above concerning the use of ADH are based on tests and data believed to be reliable. Because Osprey Spill Control cannot control the use of the product by others, no guarantee is either expressed or implied by any such suggestion or recommendation by Osprey Spill Control. Nor is any information contained in this leaflet to be construed as a recommendation to infringe any trademark or patent currently valid.