

# JMN SPECIALTIES, INC.

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## PRODUCT BULLETIN

### AC-6400

#### Ready-to-Use Safe Acid Water Scale, Rust & Sludge Remover

##### General Description

**AC-6400** is an aqueous blend of urea hydrochloride (safe acid) and detergents designed to rapidly clean and descale and unplug production equipment, heat exchangers, piping, and any equipment contaminated with sludge, water scale and / or rust not harmed by contact with water. **AC-6400** is effective in dissolving biomass sludge in shallow landfill gas capture lines and pumps when they get plugged by dissolving the biomass and any water scales holding them together. This allows for restoring normal gas flow in as little as 24 hours. **AC-6400** contains corrosion inhibitors to minimize the attack of the acid on iron, chrome, and aluminum surfaces. **AC-6400** is formulated to work quickly and effectively, thus minimizing the amount of time the product is in contact with sensitive surfaces. **AC-6400** is phosphate free, biodegradable and contains no VOCs. Neutralize with any available alkaline (soda ash, caustic, etc.) prior to disposal.

##### Application

**AC-6400** should always be diluted prior to use. The typical all-purpose dilution for circulation cleaning of water scale, rust and biomass is 1-part **AC-6400** to 4 parts water (20% solution). Circulate 2 - 4 hours (or until scale is removed), flush with clean water. Minimum dilution is 10% by volume and product should not be used higher than 30% concentrate. When used for surface equipment cleaning, pre-wet surface to be cleaned, spray product on and allow adequate time for penetration of soils, rinse thoroughly with clean water. On vertical surfaces, apply product to wet surface from bottom to top to avoid streaking.

##### Physical Properties

Color	Clear to Amber
Specific Gravity	1.17 - 1.19
pH	1.0 - 3.0
Solubility in Water	100%

##### Availability

**AC-6400** is available in UN approved 5-gallon pails, 55-gallon drums and bulk tanks.

##### Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this product to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.