



## DuBois NA 35

### Heavy duty non-fuming acid descaler

#### Description

*DuBois NA 35* is a low foaming, non-fuming nitric acid based descaler for use in a wide range of applications. *DuBois NA 35* is used in food, beverage, and industrial companies for the removal of process related scales. *DuBois NA 35* is highly concentrated, allowing it to be used economically and effectively in tough applications.

#### Key Properties

- Powerful calcium deposit descaler
- Passivates stainless steel
- Non-fuming, lower amounts of Nitrous oxide present
- Liquid appropriate for automated control and dispensing

#### Authorizations/Approvals

The Canadian Food Inspection Agency has indicated that when *DuBois NA 35* is used in accordance with label directions, there will be no objection to its use in plants under its jurisdiction.

*DuBois NA 35* meets United States Department of Agriculture 1998 A3 Guidelines.

A3. Acid Cleaner for use in all departments. Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water.



## DuBois NA 35

### Technical Data

Appearance	Clear, reddish liquid
Odor	Acidic
Density	10.93 lbs/gal
Specific Gravity	1.31
COD	none
PH (at 1%)	<2.0
Nitrogen as N	112 g/kg
Phosphorus as P	0.0

### Use Directions

For industrial and food plant use.

*DuBois NA 35* is typically used for CIP applications at concentrations between 0.4 and 2.3% v/v (4 to 23 ml/L, 0.5 to 3 oz/gal) for descaling, depending upon the application and level of scale. The exact concentration, temperature and time required will depend upon the application.

For passivation procedures, please refer to our guide on passivation of stainless steel.

For industrial applications, *DuBois NA 35* is used at concentrations of 1-10% v/v. Concentration, temperatures and times required will again vary dependent upon application.

Avoid contamination of food during use or storage. Equipment or surfaces subject to direct food contact must be thoroughly rinsed with potable water after treatment with this product.

### Dispensing

*DuBois NA 35* is a liquid and can be dispensed using metering pumps. Care should be taken to insure compatibility of the pump or metering materials with Nitric Acid.

### Test Method

Use acid kit #409724 or 3504221 for titration of this product. We recommend running a blank titration to establish an appropriate titration curve in your location. Contact DuBois for blank titration instructions.

### Product Compatibility

*DuBois NA 35*, when applied as recommended, is safe for use on materials commonly found in the food processing, paper and industrial manufacturing industries. High concentrations of *DuBois NA 35* will corrode soft metals over time.

### Safe Handling and Storage Information

Store in original containers, away from extreme temperatures. Specific recommendations for handling, PPE, and disposal of this product is given on the Material Safety Data Sheet.