

# ECO-BLAST

## ALL PURPOSE INDUSTRIAL CLEANER

### SPECIFICATIONS

Description:	Light lime/ yellow
Fragrance:	None
Packaging:	4L, 20L, 205L
pH:	0.7
Content	Blend of surfactants and organic acid

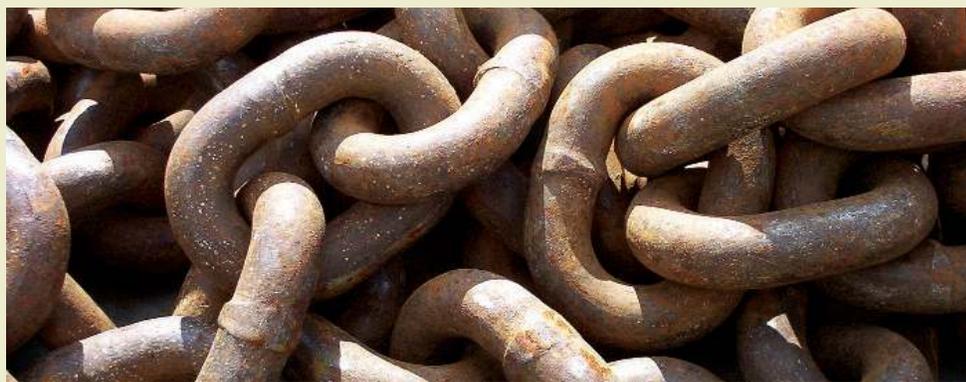
#### Storage and Handling

DO NOT FREEZE!  
Store in a cool dry location.  
Do not inhale mists.  
Avoid excessive skin contact.  
See SDS.

### APPLICATION INSTRUCTIONS

ECO-BLAST is typically used in spray and wipe applications to remove difficult scale, rust, and calcium build-up from hard surfaces. It may be diluted 2 or 3:1 with water for less difficult scale cleaning such as hard water stains off appliances or efflorescence removal.

Avoid using ECO-BLAST at full strength on aluminium, paint, or galvanized metal surfaces.



#### Corrosion test and dermal irritation

A modified Draize method was used as described in OECD Guidelines for testing of Chemicals, Sec. 404, Paris 1981 (revised : 1992). This study complies with the OECD Principals of Chemicals of GLP, Annex 2, Paris, revised as of July 1992. ECO-BLAST chemistry received a Primary Irritation Score of 2.1 +/- 0.9 and is classified as a mild irritant. The chemical components of ECO-BLAST were found to be nonmutagenetic when tested by the Ames Assay, (OECD Guidelines for Testing of Chemicals, Sec. 471).

#### Test: NACE Standard

The corrosion rate is 0.6379 millimetres per year (mmpy). According to OSHA and DOT, a product is not corrosive if it does not exceed 6.25 mmpy at a test temperature of 55oC when tested in accordance with NACE Standard TM0169-76.

#### Biodegradation

The COD is 3500 mg/L. The test method used was Hach's Reactor Digestion Method for Waste Water and Sea Water. The Hach Digestion Method is a semi-micro adaptation of the Standard Methods. The BOD is 500 mg/L after 5 days and 600mg/L at 10 days. The test method used was Part 507 Oxygen Demand (Biochemical) of the Standard Methods for Examination of Water and Waste Water, 1985, 16th Ed.

For further information on application, contact your BIONETIX technical representative.

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### POWERFUL LOW pH CLEANER

can do all the cleaning associated with hydrochloric, phosphoric, or acid-based products... without the same health and safety concerns.

### ECO-BLAST ADVANTAGES

- *Safety* - unlike muriatic acid (HCl)- based products, it is non-fuming, non-corrosive and non-regulated for transportation purposes;
- *Versatility* - can be used in justabout any cleaning application where acid- based products are used;

- *Environmentally friendly* - does not contain conventional solvents or acids used in similar products; it is rapidly biodegradable, non-ozone depleting, non-carcinogenic, non-toxic and generally regarded safe.