

## TECHNICAL BULLETIN

### G-MAX 328

## POWERFUL ALKALINE CLEANER & DEGREASER – CONCENTRATE

*For Food Plant Use*

---

### 1) PRODUCT DESCRIPTION

**G-MAX 328** is a powerful and biodegradable water based alkaline cleaner designed to remove many types of contaminants such as: dirt, stains, oil & grease, carbon (air contamination and combustion residue), ink, bacteria and many more.

This product is approved by CFIA (Canadian Food Inspection Agency) **FOR FOOD PLANT USE** as a non-food chemical. **G-MAX 328** can be used to clean food containers and mixing tanks.

**G-MAX 328** can be used on ferrous metals (steel, stainless steel & iron), painted surfaces (diluted 1:3), concrete, plastics of any kind, masonry and wood. It will affect and tarnish aluminum and some other metals (always make a spot test before use).

**G-MAX 328** is a concentrate that can be used pure for heavy duty work or diluted with water (see dilution table in p.3).

**« Alkaline cleaners can clean particles and contaminants better than a solvent borne product. (University of Montreal & IRSST). »**



## **2) ADVANTAGES**

Based on an elaborate blend of surfactants, alkaline salts and chelating agents, **G-MAX 328** has a high pH which greatly boosts its efficiency. It is best used for applications where contamination is severe (oil, grease, organic and carbon deposits).

### **Features and Benefits:**

- Thoroughly cleans the tough to remove contaminants
- High efficiency
- Water based;
- Biodegradable;
- 0% VOC (Volatile Organic Compound)
- Excellent for ferrous metals and concrete floors
- Can be diluted up to 1: 40
- **Approved by CFIA** – *Canadian Food Inspection Agency*

## **3) PHYSICAL PROPERTIES**

Appearance .....	blue liquid
Odour .....	soap (surfactants)
pH (Sol. 1%) .....	11.5 – 12.5
Rinse ability .....	excellent
Flash point.....	Not Applicable
VOC Content .....	0 g/L
Specific gravity .....	1.10 – 1.15
Biodegradability .....	good

## **4) DIRECTIONS FOR USE**

### **COVERAGE**

Approximately 14m<sup>2</sup> (150ft<sup>2</sup>) per 3.78L (WITHOUT DILUTION)

*Note: For best results, when using G-MAX 328 on heavy contamination, follow these tips :*

- *Once applied to the surface, scrub the contaminants with a brush or rag;*
  - *When diluting or rinsing, use warm or hot water;*
  - *Let the product work for an extended period of time (up to 30 minutes when contamination is severe);*
- Apply pure or diluted on the surface to be cleaned (see recommended dilutions, next page);
  - Let work for a period of 1 to 5 minutes;
  - Scrub the surface with a brush, a rag or a pressure washer;
  - Rinse with water until foam disappears (some applications might not require rinsing, see table next page);

## APPLICATIONS AND RECOMMENDED DILUTIONS (dilution with water)

APPLICATIONS	SURFACES	CONCENTRATION G-MAX 328 mixed with water	
		RATIO	%
General degreasing with a rag (without water rinse)	Metals, Plastics, Painted surfaces	1 :9	10%
General degreasing (with water rinse)	Metals, Plastics, Painted surfaces	1 :2 – 1 :9	10 to 33%
Floor cleaning (with water rinse)	Concrete (with or without paint)	1 :2 – 1 :9	10 to 33%
Floor cleaning with washing machine (zamboni type)	Concrete (with or without paint)	1 :9 – 1 :39	2.5 to 10%
Surface preparation for paint (with water rinse)	Metals, Plastics, Painted surfaces	1 :4 – 1 :9	10 to 20%
Weathered wood restoration (with water rinse)	Wood	1 :4	20%
Heavy duty degreasing (with water rinse)	Concrete, Steel, Stainless steel	Pure – 1 :2	33 to 100%

### NOTES ON SURFACES

**CONCRETE:** MASONRY and STONES (granit, marble, paving stones, etc.) are included in this category.

**METALS:** G-Max 328 is perfectly compatible with all ferrous-metals (steel, stainless steel and cast iron); on the other hand, it will tarnish and pickle aluminum surfaces, zinc, tin and lead. This product can be used on those metals if adhesion promotion is required before applying a coating.

#### PAINTED

**SURFACES:** When used at concentrations of 30% (1:2) or more, G-Max 328 can damage and strip some non-catalyzed coatings such as alkyds. Catalyzed coatings (epoxy, polyurethane, etc.) are not affected even when G-Max 328 is used pure.



## **5) PERSONAL PROTECTION**

When using **G-MAX 328**, it is recommended to wear the following safety equipments:

- Safety glasses or goggles,
- Chemical resistant gloves.

## **6) STORAGE**

Store **G-MAX 328** at a controlled temperature of 0° C to 30° C (50° F to 104° F) in a plastic container. The product will freeze below 0°C (32°F). Store in a closed plastic container when not in use. The shelf life of the product has been determined to be three (3) years.

## **7) PACKAGING**

**G-MAX 328** is available in following size containers:

- Case of 4 x 1 USGallon (4 x 3.78L)
- Pail (18.9 Litres/ 5 Gallons)
- Drum (205 Litres / 55 Gallons)
- Tote (1000 Litres / 265 Gallons)

Version : 5  
Last revision : January 2016