



GREENSOLV inc.

TECHNICAL BULLETIN

G-CLEAN 257

RUST & CALCIUM REMOVER - CONCENTRATE

1) PRODUCT DESCRIPTION

G-CLEAN 257 is an excellent water-based biodegradable acid cleaner. Made with organic acids (ex: citric), it is mainly used to clean inorganic contaminants such as rust, oxidation, scale and calcium salts.

G-CLEAN 257 was designed to be used on ferrous metals (steel, cast iron and stainless steel) to remove rust and scale, on non ferrous metals (copper, aluminum, zinc, tin, etc.) to clean oxidation. It can also be used on painted surfaces, concrete, masonry, all plastics, glass and wood.

Typical applications

- General cleaning
- Surface preparation before painting
- Cleaning oxidation on aluminum, copper and other metals
- Cleaning rust on ferrous metals and other surfaces
- Removing salts on concrete and masonry
- Removing scale
- Cleaning welds on steel and aluminum

Concentration of G-Clean 257 in water

1:9 – 1:39	(2.5 to 10%)
1:4 – 1:9	(10 to 20%)
1:4 – 1:19	(5 to 20%)
1:1 – 1:3	(25 to 50%)
1:1 – 1:3	(25 to 50%)
Pure – 1:1	(50 to 100%)
Pure – 1:1	(50 to 100%)

RUST & CALCIUM REMOVER is available as a concentrate in 3.78L & 18.9L formats (**G-Clean 257**), or a ready-to-use version (**G-Clean 204**) in a spray bottle of 750ml.





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2) BENEFITS

Based on an elaborate blend of surfactants, organic acids and chelating agents, RUST & CALCIUM CLEANER has a low toxicity and a low pH which enhances its efficiency. It is best used for applications where contamination is severe (rust, oxidation, calcium, inorganic salts and scale).

- Thoroughly cleans rust & oxidation
- Increases paint adherence on all metal substrates;
- Water based and biodegradable
- 0% VOC (Volatile Organic Compound)
- Great to dissolve calcium
- Makes up to 40 gallons

3) PHYSICAL PROPERTIES

Appearance	yellow liquid
Odour	lemon
pH (Sol. 1%)	2.0 – 3.0
Rinseability	excellent
Flash point.....	none
VOC content.....	0% (0 g/L)
Specific gravity	1.05 - 1.15
Biodegradability	good

4) DIRECTIONS FOR USE

Note: For best results, when using G-CLEAN 257 on heavy contamination, follow these tips for best results:

- *Mechanical agitation with a brush or rag will greatly improve the cleaning efficiency;*
 - *When rinsing, or when diluting the concentrate product (G-Clean 257), use warm or hot water for better results;*
 - *Let work the product on the surface for an extended period of time (up to 30minutes, reapply if needed, do not let the product dry on the surface;*
- Apply pure or diluted on the surface to be cleaned; (note: 3.78L and 18.9L containers are concentrated formulations and should be diluted with water for most applications – see page 1)
 - Let work for 1 to 15 minutes;
 - Use mechanical agitation (brush or rag) as required or use a pressure washer;
 - Rinse with water until foam disappears.

Note : It is important to rinse a metal surface with plenty of water in order to remove all acid salts contained in this products. Once applied on the surface to be cleaned, it is recommended not to let the product dry; rinse the surface as soon as possible.



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5) PERSONAL PROTECTION

When using **G-CLEAN 257**, we recommend wearing the following safety equipment:

- Safety glasses or goggles,
- Chemical resistant gloves.

6) STORAGE

Store **G-CLEAN 257** at a controlled temperature of 0° C to 30° C (32° F to 86° 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-CLEAN 257 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)

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