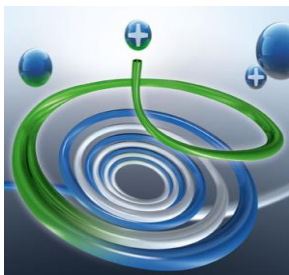


# BARRELL KLEEN SAFE

Concrete Splash Remover



## Description

Barrell Kleen Safe is a unique liquid formulations based on new organic salt technology. Barrell Kleen Safe solutions perform like strong acids but are non-corrosive to skin and most metals. In fact, Barrell Kleen Safe at working concentration is classified by the criteria of Worksafe Australia as non-hazardous.

## Chemical & Physical Properties

+ Appearance:	Yellow Liquid
+ Specific Gravity:	1.2
+ Flammability :	Non Flammable
+ Solubility in Water:	Soluble
+ pH:	Less than 1.0 (Neat)

## Application & Method Of Use

### Application:

- + Barrell Kleen Safe replaces dangerous hydrochloric and other commercial acidic formulations with a safer alternative. Barrell Kleen Safe is designed to efficiently remove concrete splash and cement dust residues from vehicles and all other surfaces commonly found in the pre-mix concrete industry, including pre-mix concrete agitators, level screeders and concrete pumps. Barrell Kleen Safe solutions only become active when exposed to the target residue unlike normal acids that release all of their available activity immediately.
- + Barrell Kleen Safe is a concentrated compound and is designed to be diluted with water prior to use.
- + The OH&S concerns associated with the use of dangerous acidic formulations can be virtually eliminated with the use of Barrell Kleen Safe solutions.
  - Fast & efficient removal of concrete and all cement based residues.
  - Much safer to use than hydrochloric acid.
  - Replaces dangerous acids commonly used in the pre-mix concrete industry with a non-hazardous material.
  - Out performs all other "acid replacement" products. Has concrete dissolving power greater than 20% hydrochloric acid.
  - Very low odour level and non-fuming.
  - Barrell Kleen Safe is 150 times less corrosive to steel and 500 times less corrosive to aluminium when compared with 20% hydrochloric acid.
  - Unique detergency properties produce a streak free finish and leave dried surfaces with a pleasing surfactant sheen.

### Method of Use:

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These recommendations are based on field experience and variations may be required for specific applications.

## ⊕ Manual Cleaning:

Concentration	:	Barrell Kleen Safe – 10 to 30% by volume**
Application	:	Manually using a broom to a dry surface.
Temperature	:	Ambient.
Contact time	:	Dependent on soil loading.
Rinse	:	With water prior to surface drying.

\*\* Barrell Kleen Safe may be used at concentrations of up to 100% in specific applications.

## ⊕ Solution Control

The concentration of a Barrell Kleen Safe solution can be determined as follows:

1. Take a 10ml sample.
2. Add approximately 50ml water and a few drops of Bromophenol Blue indicator.
3. Titrate with 1.0N sodium hydroxide (NaOH) until blue.
4. Mls of 1.0N sodium hydroxide used x 1.41 = % Barrell Kleen Safe by volume.

## ⊕ Effect on Base Materials

When used as recommended Barrell Kleen Safe is safe to use on most plastics and good quality paint schemes. Barrell Kleen Safe will have little effect on steel, stainless steel, copper, brass and bronze. Barrell Kleen Safe only slightly affect aluminium but are more aggressive on zinc surfaces.

Barrell Kleen Safe is 150 times less corrosive to steel and 500 times less corrosive to aluminium when compared with 20% hydrochloric acid at room temperature.

## Dilution Ratio

⊕ See Application and Method of Use above.

## Precautions

Refer to Hazard Identification as per Safety Data Sheet.

## Safety, Transport & Storage Information

Please refer to Safety Data Sheet.

## Packaging

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Available in 20L, 200L and 1000L containers. Containers non-returnable.

**IMPORTANT: FOR DETAILED INFORMATION ABOUT THIS PRODUCT PLEASE REFER TO SAFETY DATA SHEET.**

*The product information contained in this document is to the best of our knowledge and non-binding. Our statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. We assume no risk or liability whatever in connection with any particular use, if not expressly confirmed by us in writing. Therefore Chemetall grants no warranty and does not accept any liability in connection with this product information or its use. Except where noted otherwise, all registered trademarks are owned by Chemetall or its affiliated companies. The reproduction of any or all of the information contained in this document is expressly forbidden without Chemetall's prior written consent.*