



CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING
DO NOT SWALLOW

Caustic K

48%

(0-0-49-0)

SI0016

Potassium Hydroxide 710 g/L

INDUSTRIAL

GUARANTEED ANALYSIS

Potassium (K)	48.8% w/v
Specific Gravity @ 20°C	1.48 kg/L
pH	13.0 to 14.0

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20 L



GENERAL USE INFORMATION

Boiler Water Treatment:

Caustic K 48% is a highly concentrated potassium hydroxide liquid useful for the control and adjustment of pH in boiler water systems, it is specifically used to raise the alkalinity in boiler feed waters where the make-up water is low in alkalinity, such as reverse osmosis (RO) water.

Add Caustic K 48% in controlled concentrations to boiler water to maintain proper pH, ensuring the formation and retention of passive, protective magnetite layers on boiler tube surfaces.

Neutralization of Acid Wastewater:

Caustic K 48% can be used as an aid to neutralize acid wastewaters, ensuring they are suitable for further processing or discharge.

Wastewater entering a biological treatment process should have a pH typically within the range of 6 to 8.5, whilst wastewater to be discharged should have a pH in the range of pH 6 to 9.

In addition, the nitrification and denitrification processes in wastewater treatment tend to change the wastewater alkalinity. Caustic K 48% can be utilised to maintain the target residual alkalinity.

Cleaning & Sanitizing:

Caustic K 48% can be used as a cleaning agent and sanitizer in wineries, efficiently cleaning the insides of tanks from biofilms containing bacteria and yeast. It is a strongly basic inorganic solution which effectively kills acidic wine organisms that are adapted to low pH environments.

Caustic K 48% is considered to be more environmentally friendly than sodium hydroxide. Care must be taken when using Caustic K 48% as it is extremely corrosive. It can be corrosive to stainless steel tanks if used in overly high concentrations and is most commonly used as a 4% solution.

PRODUCT INFORMATION

PRODUCT STORAGE

Keep material in a shaded, cool, dry, well ventilated area. Store product in suitable containers made from material such as stainless steel, high density polyethylene and fibreglass. This product can be corrosive to material such as brass, copper, zinc or alloys of these metals. Clean equipment after application of Caustic K 48% thoroughly with clean fresh water. This product is recommended for use within 12 months from dispatch date.

WARNING & SAFETY INFORMATION

WARNING: Do not swallow. Fumes from this product may act as an irritant, use with adequate ventilation. Avoid inhalation and contact with the eyes and skin. Wear rubber gloves and appropriate eye protection when handling the product. See the product MSDS for further information - www.sltec.com.au

First Aid: For advice, contact a Poisons Information Centre (phone Australia 131 126) or a doctor. If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (phone Australia 131 126) or a doctor, or for at least 15 min. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Warnings: Corrosive. May produce severe burns. Attacks skin and eyes.

Safety Directions: Wear eye protection when mixing or using. Wear protective gloves when mixing or using.

Batch No. or Tank Number & Date:

Dispatch Date:

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