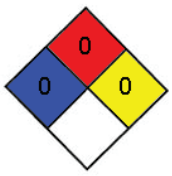
SapHCR®

HIGH pH REPLACEMENT FOR CAUSTIC

- Caustic Free Cleaning
- Non-Corrosive
- Non-Destructive to Eyes and Skin
- Non-Fuming
- Non-D.O.T. Regulated
- 100% Biodegradable
- Sludge Removal
- Food GRAS
- Raise pH in Any Liquid
- Non-Toxic
- No Exothermic Reaction
- Kosher Pareve



PAREVE

Until now, the food industry has been forced to used dangerous acids and caustics for peeling, cleaning and pH adjustment. The SapH line of products employs the most advanced developments in green technologies to replace those dangerous chemicals with safe yet potent replacements .

SapH CR has a pH of 13 and the ability to raise the pH any liquid, clean and degrease with the potency of high pH cleaners, allowing you to replace these dangerous chemicals. SapH CR carries a triple-zero HMIS score, is non-toxic, non-fuming, safe on skin, eyes and equipment. SapH CR can be blended with water safely with no exo-thermic reaction.

Because SapH CR contains no traditional hydroxides, it does not leave a residue of salts after a cleaning. And because SapH CR neutralizes with water, there is no need for a follow up acid wash.

SapH CR has no BODs and almost no CODs. SapH CR is 100% readily biodegradable in less than 10 days.

Like all SapH products, SapH CR can be shipped common carrier and requires no secondary containment.

SapH CR boasts LC50 and LD50 scores well below regulated toxicity limits and many times less than caustics.

SapH CR is Kosher Pareve.

SapH CR² is also available offering an even more powerful option of this safe cleaner.

The formula and its ingredients meet or exceed the EPA's Safer Choice program requirements for both the safety of the environment and the user.

V primeru vprašanj o nakupu ali za informacije o proizvodih se obrnite na nas na telefonsko številko **+386-51-622-406**.
Za stik z lokalnim oddelkom za podporo prodaje pokličite **+386-51-622-406** ali obiščite našo spletno stran **www.ems-slo.si**

Technical Data

BIODEGRADABLE:
Yes/100% FORM: Liquid
ODOR: Mild
COLD STABILITY: -26° F
DETERGENCY: Moderate
PHOSPHATES: None
WETTING ABILITY: Excellent

FLAMMABILITY: Non-Flammable
BOILING POINT: 212° F
SOLUBILITY IN WATER: 100%
VOCs: None
VOLATILE BY VOLUME: N/A
CARCINOGENS: None
SHELF LIFE: 2 Years

Common Uses

SapH CR is a direct replacement for 40% sodium hydroxide.

SapH CR2 is a direct replacement for 60% sodium hydroxide.

Either SapH CR product can be diluted safely with water as needed to replace caustics used in a variety of industries. Blending SapH CR products with water does not create an exothermic reaction and will not flash.

DOT STATEMENT

Non-D.O.T. Regulated/Non-D.O.T. Hazardous
EXEMPT as per 49 CFR 173.154(d) (1) <6.25 mmpy

D. O. T. classifies a material to be corrosive and hazardous if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075- Y6 Aluminum.

Dilution Specification

Please refer to the product label.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr. LC 50 and LD 50 (rat oral: NON-TOXIC

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals: NON-MUTAGENIC

Dermal Irritation & Corrosion
A modified Draize method was used as described in OECD Guidelines for the Te sting of Chemicals Sec. 404 and complies with the requirements of OECD Principles of GLP, Annex revised as of July 1992.

SapH CR is classified as a "practically non-irritant (negligible)".

SapH CR2 is classified as a "slightly non-irritating".

Biodegradation & Aquatic Safety
Test Procedure: Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.

SapH CR and SapH CR2 are 100% Biodegradable.

Classifications & Approvals

D.O.T - Non-Regulated

TDG - Non-Regulated to and through Canada

SARA 313 311/312 - This product does not contain any ingredients that are subject to the reporting requirements.

California Prop 65 - This product does not contain any ingredients known to the state of California to cause cancer, birth defects or any other reproductive harm.

FDA - Approved as Safe (GRAS)

Clean Air Act
This material does not contain any hazardous air pollutants.This material does not contain any Class 1 Ozone depletors.This material does not contain any Class 2 Ozone depletors.

Clean Water Act
None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA

Kosher
Kosher Pareve

Additional Studies & Results: When tested, SapH CR and SapH CR2 showed no potential for the generation of Carbon Dioxide under NIOSH 7903 OSHA & ACGIH testing protocols governing workplace environments.