

# CAFLON Safe RCS3

## Scale dissolver

### Overview

- **CAFLON Safe RCS3** is part of the “Environmentally Responsible” modified alkali product line that has comparable abilities of caustic solutions while reducing the hazardous exposure and corrosion properties.

### Application

- **CAFLON Safe RCS3** can be utilized in any situation where the pH of the fluid needs to be adjusted Suppressing Calcium & Magnesium in hard waters, H2S/CO2 sequestration in drilling fluids, caustic scrubbers.
- Reducing corrosion in plants & pipelines, Bitumen extraction in Oilsands, Degreaser/Cleaning Agent, Neutralizing Agent.

### Value Add/Benefits

- Comparable pH control to a 25% caustic solution but with a -45°F freeze point
- Improved steel/aluminum corrosion compared to 25% caustic solution
- Reduce Dermal hazardous exposure

### CSR3 vs Sodium Hydroxyde

	RCS3	Sodium Hydroxyde
<b>Hazard Classification</b>	<ul style="list-style-type: none"> <li>• Skin corrosion – Category 2</li> <li>• Eye Damage – Category 1</li> <li>• H315 Cause Skin irritation</li> <li>• H318 Cause serious eye damage</li> </ul>	<ul style="list-style-type: none"> <li>• Skin corrosion – Category 1A</li> <li>• Eye Damage – Category 1</li> <li>• H314 Cause severe Skin burns and eye damage</li> </ul>
<b>Corrosion</b>	<ul style="list-style-type: none"> <li>• Ultra low corrosion on metals</li> </ul>	<ul style="list-style-type: none"> <li>• Low corrosion on metals</li> </ul>
<b>Fuming</b>	<ul style="list-style-type: none"> <li>• 20 minutes dermal protection</li> <li>• Linear buffering control</li> <li>• Low freezing point :-40°C</li> </ul>	<ul style="list-style-type: none"> <li>• No dermal protection</li> <li>• Poor buffering control</li> <li>• freezing point : -18°C</li> </ul>



### Specifications

- Appearance: Amber Transparent
- Specific Gravity: 1.29 ±0.02
- Freezing Point: -42°C
- Boiling Point: > 100°C
- pH: ~13
- Solubility: 100% in water
- Shelf Life: >1

### Health, Safety & Environment

- Low aquatic toxicity
- Biodegradable (OECD 301F) > 42% 10 Days
- Toxicity (OECD 202) > 100mg/L

### Dermal Exposure Results



CSR exposure at 100% concentrate for 20 minutes. No damage to dermal tissue after 24 hours.



Caustic burn from splash exposure

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