

Product description

Liquid corrosion inhibitor for potassium formate/acetate or potassium formate brines. It is free of amines and nitrites.

Typical chemical and physical properties

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| Chemical nature | Concentrated aqueous solution of inhibiting salts. | |
| Freezing point | <0°C | |
| Solubility | | |
| Water | Miscible | |
| Odour | Characteristic | |
| Density at 20°C | >1,31 | g/ml |
| pH at 25°C | 10 - 12 | |
| Colour | <500 | APHA |

This information is intended as a guideline only. For specifications please consult the Certificate of Analysis.

Application and treat level

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| Markets | Industrial machinery |
| Applications | Heat exchange systems Potassium formate and potassium acetate brines |
| Recommended dosage/usage | The corrosion limits in glassware set by ASTM D 3306 (except with SAE 3A alloy) are met using the blending instructions mentioned below. Blending instructions Preparation of an inhibited 50% w/w potassium formate (or potassium formate/potassium acetate blend) brine: <ul style="list-style-type: none"> • Pump 80 parts w/w of a 62.5% w/w solution of potassium formate (or potassium formate/potassium acetate blend) in distilled/deionised water in a mixer or tank (Solution X). • Stir gently (Solution X). • Stir 20 parts w/w of Inhibitor SiF-20PF into Solution X and homogenize (Solution Y) • Eventually dilute Solution Y to the desired concentration of potassium formate (or potassium formate/potassium acetate blend) with distilled/deionised water. Never exceed a min. concentration of potassium formate (or potassium formate/potassium acetate blend) equal to 25% w/w. Higher dilution rates would compromise the inhibiting action of Inhibitor SiF-20PF. |

Key benefits

- Free of amines -- Free of nitrites -

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| Safety and Handling | Please read Safety Data Sheet (SDS) before handling. |
| Product Specification | This information is available on request through our local representative. |
| Packaging | This information is available on request through our local representative. |
| Storage | The product should be stored at a temperature of no less than 10 °C and no more than 25 °C and away from light. For more safety details read the Safety Data Sheet (SDS) |

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| Quality Policy | <p>The objective of our quality policy is the continuous fulfillment of the internal and external requirements agreed upon with our partners with regards to everybody's performance.</p> <p>The Quality System of ADDAPT® Chemicals BV is based on the principles of the NEN - EN - ISO - Standard 9001:2015.</p> |
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| Liabilities | <p><i>All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations, buyer or user remains responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility thereof. Buyer has to ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with, and subject to, our general conditions of sale and supply.</i></p> |
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ADDAPT Chemicals BV
Speltdijk 1
5704 RJ Helmond
The Netherlands
Tel: + 31 (0)492 597575
E-mail: info@addapt-chem.com
Home page: <http://www.addapt-chem.com>

