

# Technical Data



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## Z50

### Pipeline corrosion inhibitor

#### Product Overview

ROCOL® Z50 is a water extendible product specifically formulated to protect the internal surface of coiled tubing from corrosion and pitting.

ROCOL Z50 is designed to neutralise residual well stimulation acids (both organic and inorganic) and deposit a protective layer of biodegradable oil on the tube surface. The oil layer effectively prevents oxidation of the metal – extending tube life and reducing the risk of pin-holing.

#### Typical Applications

Z50 is designed for use as a flushing treatment after the use of acid containing fluids prior to the coiled tubing being returned to storage.

#### Features and Benefits

- Effectively neutralizes organic and inorganic acids.
- Oily film provides excellent residual corrosion protection.
- Extends tube life and minimizes the risk of in-service failure.
- Simple and quick to use.
- Does not require additional expensive equipment.
- Readily biodegradable (>60 %) by the OECD method.

#### Directions for Storage and Use

- Product should be stored in its unopened original container.
- Storage temperature should be controlled to between 1°C and 40°C.
- If stored in accordance with the above guidelines, shelf life is 1½ years from date of manufacture.
- Prepare a 25% "stock" emulsion of Z50 by slowly adding the product as supplied to potable water, stirring continuously.
- The emulsion of Z50 should be flushed through the tube for a minimum of 1 hour.
- Pressure testing can then be carried out using this solution.
- On completion of the job any remaining fluid should be removed from the tube (e.g. by nitrogen purge).
- The tube should then be sealed and returned to storage.

#### Pack Sizes

Pack Size	Part Code
20L	37046
200L	37049

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Certificate No. FM 12448



BS EN ISO 14001  
Certificate No. EMS 67596



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Certificate No. OHS 78173



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Property	Test Method	Result
<b>Appearance</b>	RTM1	<b>Clear amber fluid</b>
<b>Odour</b>	N/A	<b>Mild</b>
<b>Emulsification, 25% in potable water</b>	N/A	<b>Spontaneously forms a white to off-white milky emulsion</b>
<b>Emulsion pH, 25:1 in potable water</b>	RTM11	<b>9.0</b>
<b>Density at 20°C</b>	RTM3	<b>0.98 g/cm<sup>3</sup></b>

Values quoted above are typical and do not constitute a specification.

### Safety Data Sheets

Safety data sheets are available for download from our website [www.rocol.com](http://www.rocol.com) or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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