

Product Information Sheet

Lancer HTP

A product specifically designed for the removal of acid sensitive scales and corrosion deposits from a variety of steels, especially high value Duplex and Super Duplex steels.

Lancer HTP is especially intended for the removal of carbonate and similar scales in risers, anywhere from top-sides down to the perforation zone. It is stable and effective at elevated temperatures and pressures and delivers effective descaling without any risk of damage to the metals, unlike commonly used mineral acids. An independent detailed test report is available on request.

Users in the Offshore Oil Industry please note that Lancer HTP has been registered under the Offshore Chemicals Regulations for use as a scale dissolver and classified as Group E. A CEFAS Template is available on request for use in UK and Netherlands waters.

FEATURES

BENEFITS

<i>No Substitution warning</i>	<i>allows simple permit variation for operators.</i>
<i>Group E</i>	<i>allows frequent and liberal use on all offshore structures and vessels.</i>
<i>Safe on steels</i>	<i>can be used on stainless steel and super duplex with no risk of stress-corrosion cracking.</i>
<i>Safe to users</i>	<i>not classified as hazardous under Supply Regulations, eliminating any such risks to users.</i>
<i>No Transport Class</i>	<i>unlike mineral acids, no need for onerous paperwork and special transport measures.</i>
<i>Concentrated Product</i>	<i>saves on shipping costs and storage space.</i>

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Application and Safety Information

Lancer HTP

Description: Aqueous formulation of organic, biodegradable, low hazard solubilisers and sequestrants.

Application: Use diluted between 10% and 20% by volume of fresh-water. Heat or allow to rise to the max indicated temperature (see below). Pumped circulation is best but, if this is difficult, period movement or agitation can be used. Contact times from 6 to 24 hours can safely be used - more agitation gives faster results. Pre-trials should normally be carried out on samples of the actual deposit, wherever possible, to determine the optimum dosage and treatment conditions.

Carbon Steel	70°C Max
13Cr Steel	70°C Max
316 Steel	100°C Max
22Cr duplex	130°C Max
25Cr super duplex	130°C Max

Packaging: Available in 210 litre or 20 litre poly-drums. Semi-bulk quantities can also be arranged.

Physical Data: Appearance: Clear, water-white liquid. Totally soluble in water.
pH: about 4.0
Relative Density: about 1.25

Emergency Action On:

Skin Contact: Wash off with plenty of hand-cleanser and water.

Eye Contact: Flush out with plenty of water.

Ingestion: Drink plenty of water and seek medical attention. DO NOT try to induce vomiting.

Spillage: Absorb in granules, sweep up, bag and bin.

Other Information:

For full Health and Safety information, ask for;
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