

Oceanic SST5007

Oceanic SST 5007 and Oceanic SST 5007M Umbilical Test and Storage Fluids

General Description

The Oceanic Umbilical Test and Storage Fluids are designed to protect steel umbilicals from corrosion during storage and pressure testing. These water-based fluids are compatible with MacDermid's range of water-based fluids. Oceanic SST 5007 has proven to be particularly successful in chemical injection lines for inhibiting corrosion, freeze protection and is mild toward injection chemicals.



Oceanic SST5007 M (Modified) is designed to encounter water and aid in hydrate inhibition in the wellbore hence bringing the glycol and water mix near optimum freeze points. Glycol. Please refer to the properties below to determine the correct fluid for your specific application.

Application

The fluids are designed for use neat with no dilution. The line for storage should be free from other chemicals before installation but small quantities of other Oceanic water-based fluids or water will not be detrimental to the storage capability.

Material Compatibility

Kerosene, diesel, hydrate inhibitors, brines and many other materials have been tested. Please contact our Sales or Technical Staff.

Maintenance

It is important to ensure the terminations of equipment are closed to prevent leakage of the VPI and to prevent ingress of contamination. If the fluid were to be open to the atmosphere there is sufficient VPI present to not significantly diminish over time but the vapor density above the fluid will be reduced and therefore moisture from the outside air could cause corrosion. MacDermid would recommend a sample of the fluid be examined every six months. MacDermid Offshore Solution staff can do this or offer advice on test procedures



Physical Properties

	SST5007	SST5007 M
MonoEthylene Glycol	40%	60%
Appearance	Clear Pink Liquid	Green Mobile Liquid
Viscosity (cS) @ 0°C = 32°F	7.70	12.28
5°C = 41°F	6.02	9.69
10°C = 50°F	4.82	7.81
15°C = 59°F	3.94	6.40
20°C = 68°F	3.27	5.33
25°C = 77°F	2.76	4.50
30°C = 86°F	2.36	3.85
35°C = 95°F	2.04	3.32
40°C = 104°F	1.78	2.90
Specific Gravity @ 15.6°C (60°F)	1.055	1.080
Pour Point	-23°C (-10°F)	-46°C (-50°F)
Bulk Modulus (Nm ⁻² x10 ⁹)	2.80	3.15
pH Valve	11.4	11.2
Corrosion Inhibition	Liquid and Vapor phase (VPI)	
Biocide activity	Wide spectrum activity	

Environmental Profile

Both Oceanic SST 5007 & Oceanic SST 5007M are environmentally friendly and are approved according to US E.P.A. GMG 290000. Please contact our US Technical Staff for Gulf of Mexico documentation.

Information given in this publication is based upon technical data gained in our own and other Laboratories and is believed to be true. However the material is used in conditions beyond our control thus we can assume no liability for results obtained or damages incurred through the application of the date presented herein.



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