

## PRODUCT DATA SHEET

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### **SO-CHEM OS-450 OXYGEN SCAVENGER**

#### **GENERAL DESCRIPTION**

**So-Chem OS- 450 Oxygen Scavenger** is a water soluble product. The main ingredient is ammonium bisulfite. This product is used in the oilfield to treat water to remove dissolved oxygen.

#### **RECOMMENDED USES**

**So-Chem OS- 450 Oxygen Scavenger** is used to remove oxygen present in feed water to facilities such as:

1. Water flood plants
2. Steam Generators for steam flood
3. Desalination Plants

It is essential to remove oxygen from feed water since the presence of oxygen will facilitate the occurrence of corrosion on the internal surfaces of pipelines and vessels.

#### **APPLICATION**

**So-Chem OS- 450 Oxygen Scavenger** is injected into the water upstream of the processing equipment. The Oxygen Scavenger chemically combines with the oxygen without increasing dissolved solids and effectively removes the oxygen from the system.

Typical dosage rate is in the range of 60.0 ppm of the **So-Chem OS- 450 Oxygen Scavenger** is required to reduce the oxygen concentration in water from 9.0 ppm to 50.0 ppb.

So-Chem chemical personnel can advise on treatment and application volumes.

**SOUTHERN CHEMICALS LIMITED**

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**TYPICAL PHYSICAL PROPERTIES:**

Physical State:	Liquid.
Color:	Pale yellow
Odor:	Pungent
pH:	(1% solution in water) 6.9
Boiling/Condensation Point:	80°C (176°F)
Melting/Freezing Point:	35°C (95°F)
Pour Point:	40°C
Specific Gravity :	1.3
Solubility	Easily soluble in water
Vapor Density	0.62
Vapor Pressure:	2.3 kPa Vapor Density

**HANDLING**

**So-Chem OS- 450 Oxygen Scavenger** is an industrial chemical. Observe the warning label on product container. Normal precautions for industrial chemicals apply. For detailed information, consult the Safety Data Sheet which can be available upon request.

**AVAILABILITY**

**So-Chem OS- 450 Oxygen Scavenger** is available in 55 gallon drums from Southern Chemicals Limited, #2 Tarran Industrial Estate San Fernando.

**REVIEW**

This Product Data Sheet shall be reviewed as necessary.

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