

# ICS-5780

## Hydrogen Sulfide Scavenger



International  
Chemical  
Group

### Description:

Hydrogen disulfide and mercaptan scavenger ICS-5780 is a concentrated blend of ethanolamine and aldehyde condensation reaction products in a water-alcohol mixture.

### Applications:

The product is designed to reduce hydrogen disulfide and mercaptan in crude oil, refinery products, and gas condensate. This H<sub>2</sub>S scavenger is recommended to be used both in crude oil process facilities and oil refinery units, as well as in maritime terminals.

More reaction time means better scavenging process and less residual H<sub>2</sub>S content in the oil product. The chemical injection could be done through continuous dosage (preferred), batch treatment or can be applied in bubble tower applications.

### Dosage:

ICS-5780 is an 77% concentrated product and needs to be diluted prior to use.

### Physical Properties:

**Appearance:** Yellow / brown liquid, amine odour

**Solubility:** Water

**Specific Gravity:** 1.1 – 1.3 @ 25°C (77°F)

**Activity:** 77%

**pH:** 8-10

### Dosage (con't):

ICS-5780 is soluble in water, alcohol and glycol and can be made dispersible into oil soluble products. Typically, the product will be diluted 2 to 3 times.

### Handling:

Please refer to the Safety Data Sheet for further handling information.

### Packaging:

ICS-5780 is available in drum and tote quantities.

Technical Data Sheet

Liability Disclaimer - The information in this Data Sheet is provided without suggestion of warranty or guarantee. "Physical Properties" are typically values rather than specifications. The user is responsible for investigation for suitability of this product for their own use.



**International Chemical Service Ltd.**  
Suite 1378 – 5328 Calgary Trail NW  
Edmonton, Alberta, Canada T6H 4J8  
P: 780-433-4352 F: 780-669-3764  
E: international@intlchemgroup.com



**Integrated Chemical Services Inc.**  
4830 Wilson Rd Ste 300 PMB 14  
Humble, Texas, USA 77396  
P: 866-433-4352  
E: integrated@intlchemgroup.com