



**MSDS  
MATERIAL SAFETY DATA SHEET**

**PRODUCED WATER**  
MSDS # 100

Effective May 11, 2010

**Manufacturer/Supplier:**  
Hunt Oil Company  
1900 North Akard Street  
Dallas, TX 75201-2300

**Emergency Health Information:**  
**CHEMTREC** (for transport emergencies):

713-420-2600  
800-424-9300  
(USA)  
  
202-483-7616  
(Outside the USA)

<b>Important Components:</b>	<u>Component</u>	<u>CAS #</u>	Range % by Wt.	ACGIH-TWA	TLV-STEL
	Water	7732-18-5	100	-	-
	Hydrogen Sulfide	7783-06-4	ppm	10 ppm	15 ppm

**Warning Statement:** Vapors containing hydrogen sulfide (H<sub>2</sub>S) may accumulate during storage or transport. Vapor is known to be toxic and can be harmful or fatal.

**NFPA Codes: (Health;2) (Flammability;4) (Reactivity;0), Chronic Hazard**

**Appearance and odor:** Discolored slightly oily water; may have odor of hydrogen sulfide (rotten egg).

**HEALTH HAZARD INFORMATION**

**EYE**

Effect: No significant health hazards identified.  
First Aid: Flush eyes with plenty of water.  
Protection: None required; however, use of eye protection is good industrial practice.

**SKIN**

Effect: No significant health hazards identified.  
First Aid: Wash exposed skin with soap and water.  
Protection: None required; however, use of protective clothing and gloves is good industrial practice.

**INHALATION**

Effect: Vapors containing hydrogen sulfide may accumulate during storage or transport. Vapor can be harmful. See Toxicology section.  
First Aid: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.  
Protection: Do not breathe vapor. If ventilation is inadequate, use supplied air respirator.

**INGESTION**

Effect: Harmful if a large amount is swallowed.  
First Aid: If swallowed, induce vomiting. Get immediate medical attention.

**FIRE AND EXPLOSION INFORMATION**

Due to the extremely variable composition of the material, specific information cannot be given. Surface burning could occur if there is sufficient oily top layer and a source of ignition.

**REACTIVITY INFORMATION**

Stability: Stable  
Hazardous Decomposition: Hydrogen sulfide gas may be given off.

**CHEMICAL AND PHYSICAL PROPERTIES**

Flashpoint: N/A  
UEL: Not determined  
LEL: Not determined  
Solubility in Water: Appreciable, above 10%  
Due to the extremely variable composition of the material, specific physical properties cannot be given.

## STORAGE AND ENVIRONMENTAL PROTECTION

Storage Requirements:	Keep container closed. Keep adequately ventilated.
Handling:	Do not breathe vapors.
Spills and Leaks:	Contain and remove by mechanical means.
Disposal:	Enclosed controlled incineration recommended unless directed otherwise by applicable ordinances.
Special Precautions:	Keep out of sewers and waterways.

## ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

## TOXICOLOGICAL INFORMATION

Hydrogen sulfide (H<sub>2</sub>S) gas may accumulate in storage tanks and bulk transport compartments containing produced water. Prolonged breathing (greater than one hour) of concentrations of H<sub>2</sub>S around 50 ppm can produce eye and respiratory tract irritation; levels of 250 to 600 ppm will result in fluid in the lungs, and concentrations around 1,000 ppm will cause unconsciousness and death in a short period of time. The sense of smell rapidly becomes insensitive to this toxic, colorless gas; odor cannot be relied upon as an indicator of concentration of the gas. Always exercise caution when working around containers of produced water.

## TRANSPORTATION INFORMATION

Proper Shipping Name:	Water, Liquid
UN Number:	N/A
Subsidiary Class:	N/A

## NOTICE

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our Company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.