

# MATERIAL SAFETY DATA SHEET

**Product Trade Name:** **MATROL III+**

**Revision Date:** 02-Jan-2013

## **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Trade Name:** MATROL III+  
**Synonyms:** None  
**Chemical Family:** Not applicable  
**Application:** System

**Manufacturer/Supplier** Halliburton Energy Services  
P.O. Box 1431  
Duncan, Oklahoma 73536-0431  
Emergency Telephone: (281) 575-5000

**Prepared By** Chemical Compliance  
Telephone: 1-580-251-4335  
e-mail: fdunexchem@halliburton.com

## **2. COMPOSITION/INFORMATION ON INGREDIENTS**

| <b>Substances</b>  | <b>CAS Number</b> | <b>PERCENT</b> | <b>ACGIH TLV-TWA</b> | <b>OSHA PEL-TWA</b> |
|--|-------------------|----------------|----------------------|---------------------|
| This product does not contain any components in concentrations greater than 1% other than water. | Mixture           | 60 - 100%      | Not applicable       | Not applicable      |

## **3. HAZARDS IDENTIFICATION**

**Hazard Overview** May cause eye, skin, and respiratory irritation.

## **4. FIRST AID MEASURES**

**Inhalation** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

**Skin** Wash with soap and water. Get medical attention if irritation persists.

**Eyes** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Ingestion** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Notes to Physician** Not Applicable

## 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Flash Point/Range (F):</b>                         | Not Determined   |
| <b>Flash Point/Range (C):</b>                         | Not Determined   |
| <b>Flash Point Method:</b>                            | Not Determined   |
| <b>Autoignition Temperature (F):</b>                  | Not Determined   |
| <b>Autoignition Temperature (C):</b>                  | Not Determined   |
| <b>Flammability Limits in Air - Lower (%):</b>        | Not Determined   |
| <b>Flammability Limits in Air - Upper (%):</b>        | Not Determined   |
| <b>Fire Extinguishing Media</b>                       | All standard firefighting media.   |
| <b>Special Exposure Hazards</b>                       | Decomposition in fire may produce toxic gases.   |
| <b>Special Protective Equipment for Fire-Fighters</b> | Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel. |
| <b>NFPA Ratings:</b>                                  | Health 1, Flammability 0, Reactivity 0   |
| <b>HMIS Ratings:</b>                                  | Health 1, Flammability 0, Reactivity 0   |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures** Use appropriate protective equipment.

**Environmental Precautionary Measures** Prevent from entering sewers, waterways, or low areas.

**Procedure for Cleaning / Absorption** Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

## 7. HANDLING AND STORAGE

**Handling Precautions** Avoid contact with eyes, skin, or clothing.

**Storage Information** Store away from oxidizers. Store in a cool well ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls** Use in a well ventilated area.

**Respiratory Protection** Not normally needed. But if significant exposures are possible then the following respirator is recommended:  
Dust/mist respirator. (N95, P2/P3)

**Hand Protection** Impervious rubber gloves.

**Skin Protection** Normal work coveralls.

**Eye Protection** Chemical goggles; also wear a face shield if splashing hazard exists.

**Other Precautions** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                        |                                |
|------------------------|--------------------------------|
| <b>Physical State:</b> | Liquid                         |
| <b>Color:</b>          | Clear colorless to pale yellow |
| <b>Odor:</b>           | Mild hydrocarbon               |
| <b>pH:</b>             | 8                              |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                |
|--|----------------|
| Specific Gravity @ 20 C (Water=1):         | 1.05           |
| Density @ 20 C (lbs./gallon):              | 8.75           |
| Bulk Density @ 20 C (lbs/ft3):             | Not Determined |
| Boiling Point/Range (F):                   | Not Determined |
| Boiling Point/Range (C):                   | Not Determined |
| Freezing Point/Range (F):                  | Not Determined |
| Freezing Point/Range (C):                  | Not Determined |
| Vapor Pressure @ 20 C (mmHg):              | Not Determined |
| Vapor Density (Air=1):                     | Not Determined |
| Percent Volatiles:                         | Not Determined |
| Evaporation Rate (Butyl Acetate=1):        | Not Determined |
| Solubility in Water (g/100ml):             | Disperses      |
| Solubility in Solvents (g/100ml):          | Not Determined |
| VOCs (lbs./gallon):                        | Not Determined |
| Viscosity, Dynamic @ 20 C (centipoise):    | Not Determined |
| Viscosity, Kinematic @ 20 C (centistokes): | Not Determined |
| Partition Coefficient/n-Octanol/Water:     | Not Determined |
| Molecular Weight (g/mole):                 | Not Determined |

## 10. STABILITY AND REACTIVITY

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Stability Data:                      | Stable                              |
| Hazardous Polymerization:            | Will Not Occur                      |
| Conditions to Avoid                  | None anticipated                    |
| Incompatibility (Materials to Avoid) | None known.                         |
| Hazardous Decomposition Products     | Carbon monoxide and carbon dioxide. |
| Additional Guidelines                | Not Applicable                      |

## 11. TOXICOLOGICAL INFORMATION

|                                 |  |
|---------------------------------|--|
| Principle Route of Exposure     | Eye or skin contact, inhalation.   |
| Inhalation                      | May cause mild respiratory irritation.   |
| Skin Contact                    | May cause mild skin irritation.  |
| Eye Contact                     | May cause mild eye irritation.   |
| Ingestion                       | Unknown  |
| Aggravated Medical Conditions   | None known.  |
| Chronic Effects/Carcinogenicity | No data available to indicate product or components present at greater than 1% are chronic health hazards. |
| Other Information               | None known.  |
|                                 |  |
|                                 |  |
| Toxicity Tests                  |  |
| Oral Toxicity:                  | Not determined   |
| Dermal Toxicity:                | Not determined   |
| Inhalation Toxicity:            | Not determined   |

|   |                |
|---|----------------|
| <b>Primary Irritation Effect:</b>             | Not determined |
| <b>Carcinogenicity</b>                        | Not determined |
| <b>Genotoxicity:</b>                          | Not determined |
| <b>Reproductive / Developmental Toxicity:</b> | Not determined |

## **12. ECOLOGICAL INFORMATION**

|                                  |                |
|----------------------------------|----------------|
| <b>Mobility (Water/Soil/Air)</b> | Not determined |
| <b>Persistence/Degradability</b> | Not determined |
| <b>Bio-accumulation</b>          | Not determined |

### **Ecotoxicological Information**

|                                    |                |
|------------------------------------|----------------|
| <b>Acute Fish Toxicity:</b>        | Not determined |
| <b>Acute Crustaceans Toxicity:</b> | Not determined |
| <b>Acute Algae Toxicity:</b>       | Not determined |

|                                  |                |
|----------------------------------|----------------|
| <b>Chemical Fate Information</b> | Not determined |
| <b>Other Information</b>         | Not applicable |

## **13. DISPOSAL CONSIDERATIONS**

|                               |   |
|-------------------------------|---|
| <b>Disposal Method</b>        | Disposal should be made in accordance with federal, state, and local regulations. |
| <b>Contaminated Packaging</b> | Follow all applicable national or local regulations.                              |

## **14. TRANSPORT INFORMATION**

### **Land Transportation**

|                |
|----------------|
| <b>DOT</b>     |
| Not restricted |

|                     |
|---------------------|
| <b>Canadian TDG</b> |
| Not restricted      |

|                |
|----------------|
| <b>ADR</b>     |
| Not restricted |

### **Air Transportation**

|                  |
|------------------|
| <b>ICAO/IATA</b> |
| Not restricted   |

### **Sea Transportation**

|                |
|----------------|
| <b>IMDG</b>    |
| Not restricted |

## Other Transportation Information

Labels: None

## 15. REGULATORY INFORMATION

### US Regulations

|  |  |
|--|--|
| <b>US TSCA Inventory</b>                                 | All components listed on inventory or are exempt.  |
| <b>EPA SARA Title III Extremely Hazardous Substances</b> | Not applicable   |
| <b>EPA SARA (311,312) Hazard Class</b>                   | None   |
| <b>EPA SARA (313) Chemicals</b>                          | This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372). |
| <b>EPA CERCLA/Superfund Reportable Spill Quantity</b>    | Not applicable.  |
| <b>EPA RCRA Hazardous Waste Classification</b>           | If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.                             |
| <b>California Proposition 65</b>                         | All components listed do not apply to the California Proposition 65 Regulation.  |
| <b>MA Right-to-Know Law</b>                              | Does not apply.  |
| <b>NJ Right-to-Know Law</b>                              | Does not apply.  |
| <b>PA Right-to-Know Law</b>                              | Does not apply.  |

### Canadian Regulations

|                               |  |
|-------------------------------|--|
| <b>Canadian DSL Inventory</b> | Product contains one or more components not listed on the inventory. |
| <b>WHMIS Hazard Class</b>     | Un-Controlled  |

## 16. OTHER INFORMATION

### The following sections have been revised since the last issue of this MSDS

Not applicable

|                               |  |
|-------------------------------|--|
| <b>Additional Information</b> | For additional information on the use of this product, contact your local Halliburton representative.<br><br>For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Chemical Compliance at 1-580-251-4335. |
|-------------------------------|--|

### Disclaimer Statement

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\*\*\*END OF MSDS\*\*\*