



## MATERIAL SAFETY DATA SHEET

Trade Name: **Go-Devil II™**

Revision Date: 1/8/07

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Go-Devil II™  
**Applications:** Oil well drilling fluid additive  
**Emergency Telephone (24 hr.):** (ChemTrec) 800-424-9300  
**Supplied by:** **MASI Technologies, LLC**  
P.O. Box 81127  
Lafayette LA 70598-1127  
Tel. No. (866) 494-5444  
[www.masitech.com](http://www.masitech.com)

**Revision Number:** 3

**HMIS Rating**  
**Health:** 1                      **Flammability:** 1                      **Physical Hazard:** 0                      **PPE:** E

**HMIS Key:** 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal Hazard. \*Chronic effects - See Section 11. See Section 8 for Personal Protective Equipment recommendations.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS No.	Contents	EPA RQ:	TPQ:
Water soluble polymer mixture		60 – 100%		
Starch	9005-25-8	10 – 30%		
Magnesium oxide	1309-48-4	0.1 – 1%		

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** CAUTION! MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION. Avoid contact with eyes, skin and clothing. Avoid breathing airborne product. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

This product is a tan powder. May form explosive dust-air mixtures. Slippery when wet. A nuisance dust.

**Acute Effects**  
**HEALTH HAZARDS, GENERAL:**

Particulates may cause mechanical irritation to the eyes, nose, throat and lungs. Particulate inhalation may lead to pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma. Dermatitis and asthma may result from short contact periods.

**Inhalation:** May be irritating to the respiratory tract if inhaled.

**Ingestion:** May cause gastric distress, nausea and vomiting if ingested.

**Skin Contact:** May be irritating to the skin.

**Eye Contact:** May be irritating to the eyes.

**Carcinogenicity & Chronic Effects:** IARC: Not Listed; OSHA: Not regulated; NTP: Not listed.

**Routes of Entry:** Inhalation. Skin and/or eye contact.

**Target Organs:** Respiratory system, lungs. Skin. Eyes.

# MATERIAL SAFETY DATA SHEET

Trade Name: **Go-Devil II™**

Revision Date: 1/8/07

Page 2/5

## 4. FIRST AID MEASURES

- General:** Persons seeking medical attention should carry a copy of this MSDS with them.
- Inhalation:** Move the exposed person to fresh air at once. Perform artificial respiration if Breathing has stopped. Get medical attention.
- Ingestion:** Drink a couple of glasses of water or milk. Do not give victim anything to drink if he is unconscious. Get medical attention.
- Skin Contact:** Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.
- Eye Contact:** Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

## 5. FIRE FIGHTING MEASURES

- Flammable Limits in Air - Lower (%):** ND
- Flammable Limits in Air - Upper (%):** ND
- Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>), dry chemical, foam, water spray, fog or mist.
- Special Fire-Fighting Procedures:** No specific fire fighting procedure given.
- Unusual Fire & Explosion Hazards:** Dust in high concentrations may form explosive mixtures with air.
- Hazardous Combustion Products:** Irritating gases/vapors/fumes. Oxides of: Carbon.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Wear proper personal protective equipment (see MSDS Section 8).
- Spill Clean-up Procedures:** Avoid generating and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. Do not contaminate drainage or waterways. Repackage or recycle if possible.

## 7. HANDLING AND STORAGE

- Handling Precautions:** Avoid handling causing generation of dust. Wear full protective clothing for Prolonged exposure and/or high concentrations. Eye wash and emergency shower must be available at the work place. Wash hands often and change clothing when needed. Provide good ventilation. Mechanical ventilation or local exhaust ventilation is required.
- Storage:** Store at moderate temperatures in dry, well ventilated area. Keep in original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Name	CAS No.	OSHA PEL:		ACGIH TLV:		OTHER		UNITS
		TWA	STEL	TWA	STEL	TWA	STEL	
Water soluble polymer mixture		15		10				No std.
Starch	9005-25-8	15		10				mg/m <sup>3</sup> total dust
Magnesium oxide	1309-48-4	15		10				mg/m <sup>3</sup> total dust

# MATERIAL SAFETY DATA SHEET

Trade Name: **Go-Devil II™**

Revision Date: 1/8/07

Page 3/5

**Ingredient Comments:** Exposure limits are for Magnesium oxide fume.

**Protective Equipment:**



**Engineering Controls:** Use appropriate engineering controls such as exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits.

**Ventilation:** Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits.

**Respirators:** Use at least a NIOSH-approved N95 half-mask disposable or reusable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator.

**Protective Gloves:** Use suitable protective gloves if risk of skin contact.

**Eye Protection:** Wear dust resistant safety goggles where there is danger of eye contact.

**Protective Clothing:** Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene Work Practices:** Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	Tan
<b>Odor:</b>	Slight
<b>Appearance/Physical State:</b>	Powder, dust
<b>Solubility Description:</b>	Insoluble in water
<b>Density/Specific Gravity (g/ml):</b>	N/D      TEMPERATURE (°F):
<b>Bulk Density:</b>	28 – 39 lb/cuft; 448 – 624 kg/m <sup>3</sup>
<b>Vapor Density (Air=1):</b>	N/A
<b>Vapor Pressure:</b>	N/A      TEMPERATURE (°F):
<b>pH-Value, Diluted Solution:</b>	8.5      CONCENTRATION (%M): 1

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Normally stable
<b>Conditions to Avoid:</b>	Avoid heat
<b>Hazardous Polymerization:</b>	Will not polymerize
<b>Polymerization Description:</b>	Not relevant
<b>Materials to Avoid:</b>	Strong acids and oxidizers, phosphorous pentoxide, monoammonium phosphate
<b>Hazardous Decomposition Products:</b>	Oxides of carbon

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** No toxicological data is available for this product.

## 12. ECOLOGICAL INFORMATION

**Ecological Information:** No ecological data is available for this product.

# MATERIAL SAFETY DATA SHEET

Trade Name: **Go-Devil II™**

Revision Date: 1/8/07

Page 4/5

## 13. DISPOSAL CONSIDERATIONS

**Waste Management:**

This product, should it become a waste, may be a hazardous waste by U.S. RCRA criteria. Contact MASl's Environmental Affairs Department for more information.  
Empty containers contain residues. All labeled precautions must be observed.

**Disposal Method:**

Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill.

## 14. TRANSPORT INFORMATION

**Product RQ:**

N/A

**U.S. DOT**

**U.S. DOT Class:**

Not regulated

**CANADIAN TRANSPORT:**

**TDGR Class:**

Not regulated

**SEA TRANSPORT:**

**IMDG Class:**

Not regulated

**AIR TRANSPORT:**

**ICAO/IATA**

Not regulated

## 15. REGULATORY INFORMATION

**Regulatory Status Of Ingredients:**

Name:	CAS No.:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
Water soluble polymer mixture		Yes	No	No	No	Yes
Starch	9005-25-8	Yes	No	No	No	Yes
Magnesium oxide	1309-48-4	Yes	No	No	No	Yes

**U.S. Federal Regulations**

**Waste Classification:**

Not a hazardous waste by U.S. RCRA criteria. See Section 13.

**Regulatory Status:**

This product or its components, if a mixture, is subject to the following regulations (not meant to be all inclusive – selected regulations represented):

SECTION 313: This product does not contain toxic chemical subject to the Reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA 311 Categories: 1: Immediate (Acute) Health Effects

The components of this product are listed on or are exempt from the following international chemical registries:

TSCA (U.S.)  
DSL (Canada)

**State Regulations**

**Regulatory Status:**

This product or its components, if a mixture, is subject to the following regulations (not meant to be all inclusive – selected regulations represented):

None

PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

# MATERIAL SAFETY DATA SHEET

Trade Name: **Go-Devil II™**

Revision Date: 1/8/07

Page 5/5

## Canadian Regulations

### Regulatory Status:

This Material Safety Data Sheet has been prepared in compliance with the Controlled Product Regulations.

Canadian WHMIS Classification: Not a controlled product.

## 16. OTHER INFORMATION

### NPCA HMIS HAZARD INDEX:

1 Slight Hazard

### Flammability:

1 Slight Hazard

### Reactivity:

0 Minimal Hazard

### NPCA HMIS Pers. Protect. Index:

E – Safety Glasses, Gloves, Dust Respirator

### Information Sources:

OSHA Permissible Exposure Limits, 29 CFR 1910, Subpart Z, Section 1910.1000, Air Contaminants.

ACGIH Threshold Limit Values and Biological Exposure Indices for Chemical Substances and Physical Agents (latest edition).

Sax's Dangerous Properties of Industrial Materials. 9<sup>th</sup> ed., Lewis, R.J. Sr., (ed.), VNR, New York, New York (1997)

Product information provided by the commercial vendor(s).

**The following sections have been revised:** Section 1

**NA - Not Applicable, ND - Not Determined.**

### Disclaimer:

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We can not make any assertions as to its reliability or completeness; therefore, user may rely on it only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.