



## SPECIALIZED LUBRICANTS

### 1. Substance/Product Identification

**Product Name:** 233 Wet-Sol® Concentrate

**Company/Address:** Schaeffer Mfg  
102 Barton Street  
Saint Louis, Missouri 63104  
USA

**Synonyms:** None

**Preparation/Revision Date:** 02/26/2010

**Product Use/Type:** Nonionic surfactant, Spreader sticker, soil penetrant, adjuvant

**Emergency Phone Number:** +1 314 865-4105 (24-hour response number)  
+ 1 314 865-4100 (Business hours 8:30AM-5:00PM)  
1-800-325-9962 (US & Canada)

**Website:** [www.schaefferoil.com](http://www.schaefferoil.com)

**MSDS Number:** 233 Version 1.0

### 2. Hazards Identification

**Appearance:** Pale green color liquid

**Odor:** Slight

**Principal Hazards:** Irritation to eyes and respiratory tract

**Hazardous Materials Information System (U.S.A)**

**Health: 1**  
**Fire: 1**  
**Reactivity: 0:**

**National Fire Protection Agency System (U.S.A.)**

**Health: 1**  
**Fire: 1**  
**Reactivity: 0**

See Section 11 for complete health hazard information

**Product Name: 233 Wet-Sol ®Concentrate**

**3. Composition and Information on Ingredients**

**Hazardous Ingredients**

<b>Ingredient Name</b>	<b>CAS No.</b>	<b>EU Number</b>	<b>Percentage (by wt.)</b>
Poly(oxy-1,2-ethanediyl),alpha-(nonylpenyl)-omega-hydroxy	9016-45-9	500-024-8	25
Glycol ethers (fraction of product matching US EPA definition)			0.75 – 2.5
Polydimethylsiloxane	63148-62-9		0.3

**4. First Aid Measures**

**Ingestion:** If conscious and can swallow, give 2 glasses of water (16 ounces). Induce vomiting as directed by medical personnel. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids while flushing to rinse the entire surface of the eye and lids with water. Seek medical attention immediately.

**Inhalation:** Remove to fresh air. If breathing is difficult administer oxygen. Seek medical attention immediately if upper respiratory tract irritation persists.

**Skin:** Wash with plenty of soap and water. Launder contaminated clothing. Seek medical attention if skin irritation develops or persists.

**Additional Information:** None

**Product Name: 233 Wet-Sol ®Concentrate**

#### **5. Fire Fighting Measures:**

**Flash Point:** None aqueous solution

**Extinguishing Media:** After water evaporates residues can burn. Use water spray, dry chemical foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers

**Firefighting Procedures:** Wear full protective clothing and positive pressure breathing apparatus

**Unusual Fire & Explosion:** None

**Hazards:** Water or foam may cause frothing

#### **6. Accidental Release Measures**

**Spill Procedures and Clean up methods:** Contain spill if possible, Contain with absorbent material such as clay or soil and shovel up.

**Personal Precautions:** Avoid contact with skin and eyes

**Environmental Precautions:** This product should be kept out of watercourses and waterways. If spilled into waterways, watercourses, lakes or streams this material may be toxic to aquatic life.

#### **7. Handling & Storage**

**Handling:** Avoid all contact of product with eyes and skin. Wash thoroughly after handling and before eating, smoking or using toilet facilities. Do not swallow product. Do not inhale vapors or mists.

**Storage:** Do not store product at elevated temperatures. Store in a cool dry place that has adequate ventilation. Do not store near food or feed products. Keep containers closed when not in use. Keep away from direct sunlight. Keep product from freezing.

Product Name: 233 Wet-Sol ®Concentrate

## 8. Exposure Controls and Personal Protection

### Occupational Exposure Limits

Ingredient	OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Poly(oxy-1,2-ethanediyl),alpha-(nonylpenyl)-omega-hydroxy	N/E	N/E	N/E	N/E
Glycol ethers (fraction of product matching US EPA definition)	N/E	N/E	N/E	N/E

- (s)-Skin exposure
- (p) proposed limit
- (c) – Ceiling limit
- (l) Recommended exposure limit
- (u) supplier limit
- (N/E) – not established

### Other Exposure Limits

**Engineering Controls:** Local exhaust ventilation recommended if any vapors, dust or mists are generated. If exhaust ventilation is not available use MSHA or NIOSH approved respirator as appropriate.

### Personal Protective Equipment

**Gloves:** Chemical resistant gloves

**Protective Clothing:** Apron and long sleeves recommended

**Eye Protection:** Chemical resistant type goggles should be worn. Avoid wearing contact lenses.

**Respiratory Protection:** Airborne concentrations should be kept at the lowest levels possible. If any vapors or mists are generated and the occupational exposure limit of the product is exceeded, use appropriate NIOSH or MSHA approved respirator

**Product Name: 233 Wet-Sol ®Concentrate**

### **9. Physical and Chemical Properties**

**Flash Point:** None aqueous solution

**Specific Gravity:** 1.01

**Upper Flammable Limit (UEL):** Not Determined

**Lower Flammable Limit (LEL):** Not Determined

**Vapor Pressure:** Not Determined

**Vapor Density (air =1):** >1

**Percent Volatile:** Nil

**Evaporation Rate:** Not Determined

**pH:** 7-8

**Boiling Point:** >212°F/>100°C

**Melting Point:** Not applicable

**Appearance:** Pale green color liquid

**Odor:** Slight

**Solubility in Water:** Completely soluble

***The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise specified***

### **10. Stability and Reactivity**

**Stability:** Stable under normal conditions

**Materials to Avoid:** Strong oxidizers and acids.

**Polymerization:** Will not occur

**Thermal Decomposition:** Carbon monoxide, carbon dioxide, aldehydes and ketones may be formed on burning.

**Conditions to Avoid:** None

**Product Name: 233 Wet-Sol ®Concentrate**

### **11. Toxicological Information:**

**Routes of Exposure:** Skin, eyes, ingestion and inhalation

**Target Organs:**

#### **Acute Exposure**

**Ingestion:** May cause abdominal discomfort, nausea and diarrhea

**Eye Contact:** May cause severe irritation, experienced as discomfort or pain, excess redness and swelling of the eye. Possible injury to the cornea

**Skin Contact:** Prolonged contact such as with clothing wetted with the product may cause severe irritation and discomfort that can be seen as redness and swelling.

**Inhalation:** Vapors or mists, especially as generated from heating the material or as exposure in poorly ventilated areas or confined spaces, may be irritating and cause discomfort in the nose, throat, nasal discharge and coughing.

**Dermal Sensitization:** Sensitization properties are unknown. There are no known adverse effects that have been documented in humans as a result of chronic exposure.

**Inhalation Sensitization:** Sensitization properties are unknown. There are no known adverse effects that have been documented in humans as a result of chronic exposure.

**Carcinogenicity:** Product does not contain any components listed by ACGIH, IRAC, NIOSH, NTP or OSHA

#### **Additional Toxicological Information:**

**Oral LD50:** 2,000 to 5,000 mg/kg (rat)

**Dermal LD50:** 2,000 mg/kg (rabbit)

### **12. Environmental and Ecological Information**

#### **Ecotoxicity**

LC50 (96 hours) – Typical aquatic toxicity rating is 1-15 ppm for ethoxylated nonylphenols. Moderately toxic to aquatic life.

Ethoxylated nonylphenols are considered to be endocrine disruptors in the EU

#### **Environmental Fate:**

**Biodegradation:** This product is biodegradable by the Modified OECD Sturm 301B Method

**Bioaccumulation:** This product is not expected to bioaccumulate

**Water Class Hazard (Germany):** Not determined

**Product Name: 233 Wet-Sol ®Concentrate**

### **13. Disposal Considerations**

**Waste Handling and Disposal:** This product in its neat state when discarded or disposed of is not a hazardous waste according to Federal Regulations 40CFR 261.4 (b)(4). Dispose of product in accordance with all applicable Federal, State and local laws and regulations. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses and mixtures may render the resulting materials hazardous. Do not re-use empty containers

### **14. Transport Information**

**US DOT Classification Non-Bulk:** Not regulated

**US DOT Classification Bulk:** Not Regulated

**IMDG Classification:** UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S., (Ethoxylated Nonylphenols),9,PG III, Marine Pollutant , (Ethoxylated Nonylphenols)

**IATA/ICAO Classification:** Not regulated

**Product Name: 233 Wet-Sol ®Concentrate**

**15. Regulatory Information**

**Hazard Symbols**



**Xi Irritant**

**US Regulations**

**TSCA Inventory:** All of the components in this material are on the US TSCA Inventory or are exempt.

**State of California Proposition 65:** This product does not contain any of the chemicals that are listed on the State of California's Proposition 65 List as potential cancer causing agents or reproductive toxins

**US EPA SARA Title III and CERCLA Listings and Reportable Quantities**

**US EPA Section 311/313 Classifications**

This product contains 2-9% Glycol ethers (fraction of product matching US EPA definition)

**US EPA Section 313 Chemicals**

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating  
**X**

**US Tariff Heading Number:**

**Schedule B Number:** 3402.13.0000

**Other Regulations:**

**Canada:** All of the ingredients of this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List

**Canadian WHMIS Classifications and Symbols:** Class D, Division 2, Subdivision B: Irritant

**EEC:** Ethoxylated nonylphenols are prohibited from use in the European Union.

**Australian Inventory Status:** The components in this product are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS)



**Product Name: 233 Wet-Sol ®Concentrate**

**16. Other Information**

**For additional information call +1 314-865-4100 (outside the US and Canada) or 1-800-325-9962 inside the United States and Canada.**

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Schaeffer Mfg. Company makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Schaeffer Mfg. Company be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. **No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.**