



Revision Date: 06/03/2011  
Version: 1.1  
Pages: 4

## MSDS

### MATERIAL SAFETY DATA SHEET

#### CHEMICAL IDENTITY

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Product Name: Water Wetter Solution  
Part Number(s): 049-014 – 8 oz. (U.S.)

#### SECTION I

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##### COMPANY IDENTIFICATION

Manufacturer/Supplier: Tinker & Rasor, San Bernardino, CA 92412  
For other information or to request an MSDS, call (909) 890-0700.

#### SECTION II

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##### HAZARDOUS INGREDIENT AND IDENTITY INFORMATION

Weight % - Component - (CAS Registry No.)

Concentrate:

30-40 Water (007732-18-5)

37 Ethylene glycol (000107-21-1)

25-30 p-tert-octylphenoxy polyethoxyethyl alcohol (009002-93-1)

Working solution:

> 99 Water (007732-18-5)

< 0.01 Ethylene glycol (000107-21-1)

< 0.01 p-tert-octylphenoxy polyethoxyethyl alcohol (009002-93-1)

Concentrate:

CONTAINS: Ethylene glycol (000107-21-1); P-tert-octylphenoxy polyethoxyethyl alcohol (009002-93-1)

WARNING!

HARMFUL OR FATAL IF SWALLOWED

CAN CAUSE KIDNEY DAMAGE

CAN CAUSE CNS EFFECTS

CAUSES EYE IRRITATION

HMIS Hazard Ratings:

Health - \* 2, Flammability - 1, Reactivity - 0, Personal Protection - B

NFPA Hazard Ratings:

Health - 1, Flammability - 1, Reactivity (Stability) - 0

Working solution:

LOW HAZARD FOR RECOMMENDED HANDLING

HMIS Hazard Ratings:

Health - 1, Flammability - 0, Reactivity - 0, Personal Protection - A

NFPA Hazard Ratings:

Health - 1, Flammability - 0, Reactivity (Stability) - 0

NOTE: HMIS and NFPA hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential

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hazards. The personal protection index is only intended for general guidance on personal protection equipment (PPE) that is suitable for the potential hazards of the material. PPE (e.g., respirators) may not be needed if engineering controls (e.g., local ventilation) are adequate. An asterisk (\*), in the HMIS health field, designates potential chronic or target organ hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

## SECTION III

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### PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical Form: Liquid  
Color: Colorless  
Odor: Odorless  
Specific Gravity (water = 1):  
Concentrate: 1.07  
Working solution: 1.00  
Vapor Pressure at 20°C (68°F): 24 mbar (18 mm Hg) Vapor Density (Air = 1): 0.6  
Volatile Fraction by Weight:  
Concentrate: 75%  
Working solution: >99%  
Boiling Point: >100°C (>212°F)  
Solubility in Water: Complete  
pH:  
Concentrate: 8.0  
Working solution: 7.0  
Flash Point:  
Concentrate: None  
Working solution: None, noncombustible liquid

## SECTION IV

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### FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media:  
Concentrate: Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol foam  
Working solution: Use appropriate agent for adjacent fire.  
Special Fire-Fighting Procedures:  
Concentrate: Wear self-contained breathing apparatus and protective clothing.  
Working solution: None (noncombustible)  
Hazardous Combustion Products:  
  
Concentrate: Carbon dioxide, carbon monoxide  
Working solution: None (noncombustible)  
Unusual Fire and Explosion Hazards: None

## SECTION V

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#### REACTIVITY INFORMATION

Stability: Stable

Incompatibility:

Concentrate: Strong oxidizing agents

Working solution: None with common materials and contaminants with which the material may reasonably come into contact.

Hazardous Polymerization: Will not occur.

## SECTION VI

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#### HEALTH HAZARD INFORMATION

Effects of Exposure:

General:

Concentrate: Contains ethylene glycol. Can cause kidney damage and CNS effects following ingestion.

May cause adverse reproductive effects following ingestion based on animal data.

Inhalation: Low hazard for recommended handling.

Eyes:

Concentrate: Causes irritation.

Working solution: No specific hazard known. May cause transient irritation.

Skin:

Concentrate: Prolonged or repeated contact may cause drying, cracking, or irritation.

Working solution: Low hazard for recommended handling. Ingestion:

Concentrate: Harmful or fatal if swallowed. Can cause kidney damage.

Working solution: Expected to be a low ingestion hazard.

Acute Toxicity Data:

Oral LD-50 (rat): 3200 mg/kg

Skin irritation: slight

Eye irritation: moderate

## SECTION VII

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#### PRECAUTIONS FOR SAFE HANDLING AND USE

Personal Precautionary Measures: Avoid prolonged or repeated breathing of mist or vapor. Avoid contact with eyes and prolonged or repeated contact with skin. Use with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion:

Concentrate: Keep from contact with oxidizing materials.

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Working solution: No special precautionary measures should be needed under anticipated conditions of use.

Storage: Keep container closed.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH Threshold Limit Value (TLV):

Ethylene glycol: 100 mg/m<sup>3</sup> Ceiling, aerosol Ventilation:

Concentrate: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Working solution: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

Respiratory Protection: None should be needed. If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: Organic vapor/P95. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin Protection: It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Recommended Decontamination Facilities: Eye bath, safety shower, washing facilities

## SECTION VIII

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### TRANSPORT INFORMATION

Not regulated for all modes of transportation

## SECTION IX

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### REGULATORY INFORMATION

- Material(s) known to the State of California to cause cancer: None

- Material(s) known to the State of California to cause adverse reproductive effects: None

Carcinogenicity Classification (components present at 0.1% or more):

- International Agency for Research on Cancer (IARC): None

- American Conference of Governmental Industrial Hygienists (ACGIH) (ethylene glycol): Not classifiable as a human carcinogen (A4)

- National Toxicology Program (NTP): None

- Occupational Safety and Health Administration (OSHA): None

- Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: Ethylene glycol

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