



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Handle only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Wear long-sleeved shirt and long pants, shoes, socks, chemical resistant gloves and protective eyewear.

**General:** Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Discard clothing and other absorbent materials that have been heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Dark amber liquid

**Odor:** Mild aromatic

**pH:** 4.0 – 4.5

**Specific Gravity:** 0.961 g/mL

**Solubility:** Emulsifies

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Heat, flame and extreme temperatures

**CHEMICAL STABILITY:** Stable under all normal use and storage conditions.

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May release nitrogen oxide, sulfur oxides, carbon oxides (CO and CO<sub>2</sub>) and aniline when thermally decomposed.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.0 mg/L (4-hour)

**EYE IRRITATION:** Rabbit – Moderately irritating

**SKIN IRRITATION:** Rabbit – Moderately irritating

**SKIN SENSITIZATION:** Guinea Pig – Not a contact sensitizer

**CARCINOGENICITY:**

**EPA:** Not Listed      **NTP:** Not Listed

**ACGIH:** Not Listed      **OSHA:** Not Listed

**IARC:** Not Listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**REPRODUCTIVE TOXICITY:** Not known to cause reproductive or birth defects at normal exposure levels.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Exposure to vapors may increase tendency to respiratory or bronchial infections.

## 12. ECOLOGICAL INFORMATION

The following information is for the active ingredient, Clethodim:

### AQUATIC TOXICITY

Bluegill Sunfish (96hr LC<sub>50</sub>): 120 mg/L

Rainbow Trout (96hr LC<sub>50</sub>): 65 mg/L

### AVIAN TOXICITY

Bobwhite Quail (LD<sub>50</sub>): > 6,000 ppm

Mallard (LD<sub>50</sub>): > 6,000 ppm

### OTHER

Bees (LD<sub>50</sub>): > 100 µg/bee

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

## 14. TRANSPORT INFORMATION

### US DOT:

**Containers < 119 Gallons (450 Liters) shipped by land or vessel:**

Not regulated by DOT.

**Containers ≥ 119 Gallons (450 Liters) or shipments by air:**

DOT Shipping Name: NA1993, Combustible Liquid, N.O.S.  
(contains Petroleum Distillates), PG III

DOT Emergency Response Guide: 128

### IMDG

**Shipped internationally by vessel:** Not regulated.

**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

### **FIFRA –**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

#### **PRECAUTIONARY STATEMENTS**

#### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING.** Causes substantial but temporary eye irritation. Avoid contact with skin. Do not get in eyes, on skin, or on clothing. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

#### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

#### **SARA Title III – Section 302 Extremely Hazardous Substances**

Not listed

#### **SARA Title III – Section 311/312 Hazard Categories**

Immediate, Delayed, Fire

#### **SARA Title III – Section 312 Threshold Planning Quantity**

N/A

#### **SARA Title III – Section 313 Reportable Ingredients**

Naphthalene (CAS #91-20-3): < 6%

#### **CERCLA Reportable Quantity (RQ) –**

Naphthalene (CAS #91-20-3): 100 lbs. (180 gallons of product)

#### **CALIFORNIA PROP 65 STATUS –**

This product contains a chemical (naphthalene) known to the state of California to cause cancer.

#### **CANADA –**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## 16. OTHER INFORMATION

**DISCLAIMER:** The information herein is presented in good faith and believed to be accurate as on the effective date shown above. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State and Local laws and regulations.

SDS Version: 2.0 (conversion from MSDS) Effective Date: 05/29/2015

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**Manufactured for: Tigris, LLC**

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