

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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(Mon. - Fri., 8AM - 5PM)

**PRODUCT NAME** : Triangle 435 Soluble Oil  
**CHEMICAL NAME** : Paraffinic oil  
**CHEMICAL FAMILY** : Petroleum distillate  
**PRODUCT CODE** : EPA Reg. No. 1842-283

**SECTION 2 - COMPOSITION, INFORMATION OF INGREDIENTS**

COMPONENT	PERCENTAGE	CAS NUMBER	OSHA PEL	ACIGH TLV
Light paraffinic oil	98.0	64742-55-8	5 mg/m <sup>3</sup> (inhale)	5 mg/m <sup>3</sup> (inhale)

**SECTION 3 - HAZARDS IDENTIFICATION SUMMARY**

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

**EMERGENCY OVERVIEW:** Clear to light yellow liquid with mild petroleum odor.

- May be harmful if swallowed, inhaled or absorbed through skin.
- Causes slight to moderate eye irritation.
- Avoid breathing vapor or spray mist.
- Avoid contact with eyes, skin or clothing.
- Keep out of reach of children.

**POTENTIAL HEALTH HAZARDS:**

**EYE** - Moderately irritating to the eyes. Degree of injury will depend on the amount of material that gets into eye and the speed and thoroughness of the first aid treatment.

**SKIN** - Prolonged or repeated skin contact may cause irritation.

**INHALATION** - Vapor or spray mists may be harmful if inhaled.

**INGESTATION** - May be harmful if swallowed. Minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

**POTENTIAL PHYSICAL HAZARDS:** None known.

**ENVIRONMENTAL HAZARDS:** None known.

**SECTION 4 - FIRST AID MEASURES**

**IF SWALLOWED:** Do not induce vomiting. Aspiration may be a hazard. Call a physician or your Poison Control Center if large volume has been swallowed.

**IF IN EYES:** Flush with plenty of water.

**IF INHALED:** Remove the victim to fresh air and apply artificial respiration if indicated.

**IF ON SKIN:** Wash affected area with soap and water.

**NOTE TO PHYSICIAN:**

**ANTIDOTE:**

**SECTION 5 - FIRE FIGHTING MEASURES**

**FLASHPOINT (method):** Unknown.

**FLAMMABLE LIMITS (LFL-UFL):** Unknown.

**FIRE AND EXPLOSION HAZARD:** Will burn if involved in fire. Combustible liquid, vapors can form explosive mixtures at high temperatures.

**EXTINGUISHING MEDIA:** Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

**FIRE FIGHTING INSTRUCTIONS:** Evacuate area and fight fire upwind from a safe distance to avoid possible hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers.

**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus with full facepiece. Full fire fighting turn-out gear (Bunker gear).

**HAZARDOUS COMBUSTION PRODUCTS:** Unknown.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 of this document.

Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**SMALL SPILL:** Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

**LARGE SPILL:** Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow any absorbed material to solidify, and scrape up for disposal. After removal, scrub the area with detergent and flush with water.

### SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

**HANDLING:** Use only in a well-ventilated area. Loosen closure cautiously before opening as contents may develop pressure upon prolonged storage.

**STORAGE:** Keep container closed when not in use. Keep away from food, feed and drinking water. Store in a well ventilated, dry place away from heat and other sources of ignition.

### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

**EXPOSURE LIMITS (8 HOUR TWA):** (Refer to Section 3)

**ENGINEERING CONTROLS:** Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**PERSONAL PROTECTIVE EQUIPMENT:**

**EYE PROTECTION** - Safety glasses.

**CLOTHING** - Long-sleeved shirt and long pants. Shoes plus socks.

**GLOVES** - Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber, viton.

**RESPIRATOR** - When handling in enclosed areas where exposure limits may be exceeded, use a respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water.

**USER SAFETY RECOMMENDATIONS:**

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL DESCRIPTION:** Clear to light yellow liquid.  
**ODOR:** Mild petroleum.  
**BOILING POINT:** > 500 F  
**SPECIFIC GRAVITY/BULK DENSITY:** 0.87 (7.2 #/gl)  
**Ph:** N/A  
**VAPOR PRESSURE:** Negligible.  
**% VOLATILE:** 80%  
**WATER SOLUBILITY:** Emulsifiable.

### SECTION 10 - STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable, however may decompose if heated.  
**CONDITIONS TO AVOID:** High temperatures.  
**INCOMPATIBILITY WITH OTHER MATERIALS:** Exposure to strong oxidizers such as chlorates, nitrates and peroxides.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.  
**HAZARDOUS POLYMERIZATION:** Product will not undergo polymerization.

### SECTION 11 - TOXICOLOGICAL INFORMATION

#### **ACUTE TOXICITY:**

Oral LD <sub>50</sub> (rat)	-	> 5,000 mg/Kg
Dermal LD <sub>50</sub> (rat)	-	> 2,000 mg/Kg
Inhalation LC <sub>50</sub> (rat)	-	> 4 mg/L
Eye Irritation (rabbit)	-	Slight
Skin Irritation (rabbit)	-	Slight
Sensitization (guinea pig)	-	Non-sensitizer

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Possible aggravation of asthma and/or other chronic pulmonary diseases due to inhalation of vapors or spray mists.

#### **CARCINOGEN STATUS:**

OSHA -	Not listed.
NTP -	Not listed.
IARC -	Not listed.

**MUTAGENIC DATA:** No evidence of mutagenic effects during *in vivo* or *in vitro* studies.

**ADDITIONAL DATA:** Not known to exhibit reproductive or teratogenic (birth defect) effects.

### SECTION 12 - ECOLOGICAL INFORMATION

**ENVIRONMENTAL SUMMARY:** This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present. Do not contaminate water when disposing of equipment washwaters.

**FISH TOXICITY:** Unknown.

**AVIAN TOXICITY:** Unknown.

**BEE TOXICITY:** Unknown.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE:** Pesticide wastes are toxic. Dispose of in accordance with applicable Federal, state and local laws and regulations.

**CONTAINER:** Refer to product label.

### SECTION 14 - TRANSPORT INFORMATION

**DOT SHIPPING DESCRIPTION:**

DOT HAZARD CLASS:

UN NUMBER:

DOT PACKING GROUP:

DOT PRIMARY/SECONDARY LABEL:

DOT PRIMARY/SECONDARY PLACARD:

DOT EMERGENCY RESPONSE GUIDE #:

**SECTION 15 - REGULATORY INFORMATION**

**FIFRA:** All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

**OSHA HAZARD COMMUNICATION STANDARD STATUS:**

**CERCLA REPORTABLE QUANTITY:**

**SARA TITLE III STATUS:**

302 Extremely Hazardous Substance -  
311/312 Hazard Categories -  
313 Toxic Chemicals -

**CALIFORNIA PROP 65 STATUS:**

**SECTION 16 - OTHER INFORMATION**

**DISCLAIMER:** The information presented herein is based on available data from reliable sources and is correct to the best of Triangle Chemicals knowledge. Triangle Chemical makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

**REVISED DATE:**

**REVISED FOR:** ANSI Z400.1 formatting.

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