

# MATERIAL SAFETY DATA SHEET

## TRAK-300™

Manufactured by:  
Richard-Allan Scientific  
4481 Campus Drive  
Kalamazoo, MI 49008

CHEMTREC (800) 424-9300

(800) 522-7270 8.00 a.m. - 5.00 p.m. EST  
Everyday

24 hours

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### 1. SUBSTANCE IDENTIFICATION

SUBSTANCE: **Trak-300™**

CATALOG NUMBER: M8000

TRADE NAMES/SYNONYMS: Automated Differential System Immersion Oil

### 2. COMPOSITION AND INGREDIENTS INFORMATION

Hydrogenated Terphenyls	CAS# 61788-32-7
Terphenyls	CAS# 26140-60-3
Mineral Oil	CAS# 8042-47-5
Polybutane	CAS# 9003-29-6

### 3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): Health = 0      Fire = 1      Reactivity = 0

Potential Health Effects:

Inhalation: Not expected to be a health hazard.

Skin Contact: Not expected to be a health hazard.

Eye Contact: May cause irritation.

Ingestion : If large quantities are consumed, may cause vomiting or diarrhea.

### 4. FIRST-AID PROCEDURES

**Inhalation:** N/A

**Skin Contact:** In case of skin contact, wash with soap and water.

**Eye Contact:** In case of eye contact, flush immediately with clear water for at least 20-25 minutes and contact a physician.

**Ingestion:** If very large amounts are swallowed induce vomiting and seek medical advice.

## 5. FIREFIGHTING PROCEDURES

FIRE AND EXPLOSION HAZARD:

**FLASH POINT:** >300°F

**UPPER EXPLOSIVE LIMIT:** N/A

**LOWER EXPLOSIVE LIMIT:** N/A

**FIRE FIGHTING MEDIA:** Carbon dioxide, foam, dry chemical, and water fog.

**FIRE RESPONSE PROCEDURES:** Fire fighters must use self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Containers should be kept cool in the event of fire.

## 6. ACCIDENTAL RELEASE PROCEDURES

**SMALL or LARGE SPILL:** Absorb with any medium suitable for oil. Wash area with detergent and water.

## 7. HANDLING AND STORAGE

**General handling:** Store at controlled room temperature (15-30°C). Keep away from extreme heat and open flame. Empty containers contain residue, handle as if full containers.

## 8. EXPOSURE CONTROL (PERSONAL PROTECTIVE EQUIPMENT)

**VENTILATION:** None required.

**RESPIRATOR:** None required.

**CLOTHING:** None required.

**GLOVES:** Gloves should be worn as good laboratory practice.

**EYE PROTECTION:** Safety glasses should be worn as good laboratory practice.

**EXPOSURE GUIDELINES:** None established.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**DESCRIPTION:** Clear, very slight yellow color, odorless

**MELTING POINT:** N/A

**BOILING POINT:** N/A

**SPECIFIC GRAVITY:** (H<sub>2</sub>O=1@25°C) 0.92

**FLASH POINT:** >300°F  
**acetate=1): 0.01 VAPOR PRESSURE:** <0.1  
Insoluble  
**VAPOR DENSITY (Air=1):** 5

**EVAPORATION RATE (butyl  
SOLUBILITY IN WATER:**

**REACTIVITY:** Trak-300 is stable under normal conditions and temperatures.

**INCOMPATIBILITIES:** None, avoid extreme heat.

**DECOMPOSITION:** When heated to decomposition may emit irritating fumes.

**POLYMERIZATION:** Hazardous polymerization will not occur.

## 10. STABILITY AND REACTIVITY INFORMATION

**REACTIVITY:** Immersion Oil is stable under normal conditions and temperatures.

**INCOMPATIBILITIES:** None, avoid extreme heat.

**DECOMPOSITION:** When heated to decomposition may emit irritating fumes.

**POLYMERIZATION:** Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

Occupational exposure to this material has not been reported to cause significant adverse health effects.

## 12. ECOLOGICAL INFORMATION

No information available

## 13. DISPOSAL GUIDELINES

Ensure compliance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

DOT Shipping Name:, Non-hazardous material, Not regulated.

## 15. REGULATORY INFORMATION

### **SARA TITLE III (Superfund Amendment and Reauthorization Act)**

SECTION 302 AND 304: Extremely Hazardous Substance List (40 CFR 355)- Not Listed

SECTION 311: Hazard Categorization (40 CFR 370)- None

SECTION 313: Toxic Chemicals Listing (40 CFR 372.65)- Not Listed as a toxic chemical

### **CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)**

SECTION 102(A) Hazardous Substances (40 CFR 302.4)- Not Listed

Reportable Quantity - N/A  
SECTION 101(14) Reportable Quantity: N/A

**RCRA (Resource Conservation and Recovery Act.)**  
40 CFR 261.21 Hazardous Waste Number: Not Listed

**NJ-RTK (New Jersey - State Right To Know)**  
Environmental Hazardous Substance List: Not Listed

## **16. OTHER INFORMATION:**

Trak-300, as manufactured by Richard-Alan Scientific, is intended for legal use in laboratories and manufacturing environments.