

**DRD**  
**DRD ADDITIVES LLC**

**MATERIAL SAFETY DATA SHEET**  
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**Product Name:**

Chemical Name/Synonym(s): CAS Numbers:

BD 1754

Pentaerythritol Tetraoleate

68604-44-4 **Section I. COMPANY IDENTIFICATION**

**DRD ADDITIVES, LLC**

**1194 NORTH CREST DRIVE**

**ROCKFORD, IL 61107**

**For Chemical Emergency**  
**Spill, Leak, Fire, Exposure, or Accident**  
**Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300**  
**Outside USA and Canada: +1 703-527-3887 (collect calls accepted)**

**Section II. HAZARD INGREDIENTS/IDENTITY INFORMATION**

Hazardous ingredients are listed if they comprise  $\geq 1.0\%$  by weight

"Special Hazardous Substances of Carcinogens" are listed if they comprise  $\geq 0.1\%$  by weight

**Section III. PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point	>250°C
Vapor Pressure (mm Hg.)	Unknown
Vapor Density (AIR=1)	N/A
Specific Gravity	.924
Evaporation Rate (Butyl Acetate-1)	NA
Solubility in Water	Insoluble
Appearance and Odor	Amber liquid with sweet odor

**Section IV. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT AND METHOD USED: 300°C - Closed Cup (PMCC)

FLAMMABLE LIMITS IN AIR – UPPER %: Unknown

EXTINGUISHING MEDIA: Non-combustible

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

**Section V. REACTIVITY DATA**

STABILITY: Stable

INCOMPATIBILITY (Materials to avoid): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None known  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: None known

#### **Section VI. HEALTH HAZARD DATA**

ROUTE(s) OF ENTRY: Contact with eyes, skin  
HEALTH HAZARDS (Acute and Chronic): None known  
CARCINOGENICITY: Not listed in IARC, NTP or 29CFR  
SIGNS AND SYMPTOMS OF EXPOSURE: May cause irritation to the eyes, skin or respiratory system  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known  
EMERGENCY AND FIRST AID PROCEDURES:  
    INGESTION: Observe victim for 24 hours; seek medical attention if indicated.  
    SKIN CONTACT: Wipe away excess material with dry towel. Then wash affected areas with plenty of water and mild soap (if available) for several minutes. Get medical attention if irritation occurs.  
    INHALATION: Move person to fresh air.  
    EYES: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

#### **Section VII. PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wash walking surfaces with detergent and water to reduce slipping hazard. For large quantity spills, wipe, scrape or soak up in an inert material and put in a container for disposal.  
WASTE DISPOSAL METHOD: Since local regulations may vary, all waste must be disposed in accordance with federal, state and local environmental regulations.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Recommended storage is in original container below 40°C (105°F).

#### **Section VIII. CONTROL MEASURES**

RESPIRATORY PROTECTION: None required under normal conditions  
VENTILATION: None known  
PROTECTIVE GLOVES: All chemical, impervious type gloves are acceptable.  
EYE PROTECTION: Wear safety glasses or goggles to protect against exposure.  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear clean, body-covering clothing.  
WORK/HYGIENIC PRACTICES: Good hygienic practices should be observed. Work clothes should be washed separately at the end of each workday.

#### **Section IX. OTHER INFORMATION**

This data is presented in good faith and is based on information believed to be reliable and is offered solely for evaluation, investigation and verification of the numerous factors affecting results. DRD ADDITIVS LLC Products are sold with the understanding that purchasers will make their own tests to determine the suitability of understanding that purchasers will make their own tests to determine the suitability of these products for their own particular use. Warrantee as to accuracy or results is neither given nor implied. Statements concerning the use of the DRD ADDITIVES LLC products are not to be construed as recommendations, suggestions or inducements to use them in the infringement of any patent or in violation of any applicable laws or regulations. No liability arising out of any such use is assumed.  
Rev. 2/08

**\*\*\*END OF MSDS\*\*\***