



**SDS (SAFETY DATA SHEET)**  
According to OSHA Hazard Communication Standard, 29 CFR  
1910.1200

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**FOR CHEMICAL SPILLS, FIRES, OR EXPOSURE:**  
**CALL CHEMTREC (DAY OR NIGHT)**  
**+1-800-424-9300 (IN USA)**  
**+1-703-527-3887 (INTERNATIONAL)**

### **SECTION 1. IDENTIFICATION**

Product name: Thermal Transfer Oil  
Code number: CHEM040

CAS number: 64742-53-6 (60%-80%)  
64742-52-5 (20%-40%)

### **SECTION 2. HAZARDS IDENTIFICATION**

**Classification of mixture:** Non-hazardous  
**Hazard Pictograms:** None  
**Signal Word:** None  
**Hazard Statements:** None

#### **Precautionary Statements:**

P301 + P315 + P331: IF SWALLOWED: Do NOT induce vomiting. Get immediate medical advice/attention.

P305 + P351: IF IN EYES: Rinse cautiously with water for several minutes.

P350: Gently wash with soap and water.

P501: Dispose of contents and container to an approved waste disposal plant.

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	%Content	CAS Number
Distillates (petroleum), hydrotreated heavy paraffinic	60%-80%)	64742-53-6
Distillates (petroleum), hydrotreated heavy paraffinic	20%-40%	64742-52-5

### **SECTION 4. FIRST-AID MEASURES**

Eye Exposure: Flush eyes with copious amounts of water and separate eyelids to assure adequate flushing; practically non-irritating and does not injure eye tissue.

Skin exposure: Flush with copious amounts of water; if redness or irritation occurs, seek medical attention; may cause slight skin irritation upon direct contact or aggravate an existing dermatitis; prolonged or repeated contact may result in contact dermatitis and/or oil acne.

Oral exposure: Minimal toxicity if swallowed; may result in abdominal cramps and diarrhea.



Inhalation: Material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions; caution should be taken to prevent misting of this product, especially with regard to prolonged and repeated exposure to product mist.

## **SECTION 5. FIRE FIGHTING MEASURES**

### **Suitable Extinguishing Media**

For small fires use carbon dioxide, dry chemical or foam.

For large fires use alcohol-type foam, universal type foam or water fog.

### **Fire-Fighting Equipment**

Firefighter should wear normal protective equipment (full bunker gear) and positive-pressure contained breathing apparatus. Water can be used to cool fire-exposed containers, to protect personnel and to disperse vapors and spills. Water runoff can cause environmental damage. Dike and collect water used to fight fires

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Wear protective clothing when taking up spill. Eliminate sources of ignition. This product is insoluble in water and will float on the surface. Prevent from entering sewers or drains. Should this product enter sewers or drains, it should be pumped out into an open vessel.

## **SECTION 7. HANDLING AND STORAGE**

Handling: Avoid contact with eyes, skin and clothing, and avoid inhalation of aerosols.

Storage: Keep containers tightly closed and store at room temperature.

## **SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Protective Equipment: Protective gloves and safety goggles.

Hygiene Measures: Wash thoroughly after handling.

Engineering Controls: Safety shower, eye bath and ventilation exhaust

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Transparent, water white to straw yellow liquid

Auto-ignition temperature: 379°C (714°F)

Specific gravity: 0.61 at 16 °C (61 °F) (H<sub>2</sub>O = 1.0)

Flash Point Cleveland Open Cup (ASTM D92): 229°C (445°F)

Flash Point Pensky-Martens (ASTM D93): 193°C (379°F)

Flammability (solid, gas): Non-flammable

Solubility: Water insoluble

Relative density (ASTM D1298) 25°C/25°C: 0.86

## **SECTION 10. STABILITY AND REACTIVITY**

Stability: Stable

Materials to avoid: Strong oxidizing agents

Hazardous polymerization: Does not occur



Hazardous decomposition products: None indicated

**SECTION 11. TOXICOLOGICAL INFORMATION**

See Section 4 for information.

**SECTION 12. ECOLOGICAL INFORMATION**

Data is not yet available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

See Section 6. In all cases, disposal should follow all applicable Federal, State and Local regulations.

**SECTION 14. TRANSPORT INFORMATION**

DOT: Petroleum Distillates, N.O.S., 3, UN 1268, II

**SECTION 15. REGULATORY INFORMATION:**

United States: TSCA: N/A; a blend.

Clean Water Act (40CFR110), Section 311: Is Listed as an "oil".

Oil Pollution Act of 1990: Is Listed as an "oil".

SARA Title 311, hazard: Fire

Canada: WHMIS: Classified in accordance with the CPR, and the MSDS contains all of the information that is required by the CPR.

**SECTION 16. OTHER INFORMATION**

Disclaimer: For commercial and laboratory uses only. Not for drug, or other uses.

Warranty: The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge, and is applicable to the product only with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. CBG Biotech, Ltd. shall not be liable for any damage resulting from handling, or from contact with the product. See reverse sides of invoice, for additional terms and conditions of sale.