

**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)**

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**SECTION 1. IDENTIFICATION**

Product name: Formula 52 (Limonene substitute)      CAS number:      N/A; a blend  
Code number: CH0113

**SECTION 2. HAZARDS IDENTIFICATION**

NFPA: 1,3,0 (Health, Flammability, Reactivity)  
HMIS: 1,3,0 (Health, Flammability, Reactivity)  
See Section 5 for additional information

**GHS Label element**

**Hazard pictograms**



Signal word      : Danger

Classification of the  
substance or mixture  
GHS label elements

Flammable Liquids - Category 3  
Acute Toxicity: Inhalation - Category 4  
Skin Corrosion/Irritation - Category 2  
Serious Eye Damage/ Eye Irritation - Category 2b  
Specific Target Organ Toxicity (Single Exposure) [Narcotic Effects] -  
Category 3  
Aspiration Hazard - Category 1

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

**Hazardous components**

Chemical Name	Synonyms	Concentration (%)
Solvent naphtha (petroleum), light	Solvent naphtha (petroleum), light	< 100

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

- Eye Exposure: Flush eyes with copious amounts of water and separate eyelids to assure adequate flushing; slightly irritating, but does not injure eye tissue.
- Skin exposure: Flush with copious amounts of water; may aggravate an existing dermatitis.
- Oral exposure: If swallowed, wash mouth with water provided that person is conscious; do not induce vomiting; call a physician; minimal toxicity.
- Inhalation: Remove to fresh air; if breathing becomes difficult, call a physician; may cause headache, dizziness, anesthesia, drowsiness, unconsciousness, and death by asphyxiation.

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

- Flash point: 41 °C (105.8 °F); TCC ASTM D56 (minimum)
- Auto-ignition temperature: 236 °C (456.8 °F); ASTM E659
- Hazards: Flammable liquid; can release vapors that form flammable mixtures at temperatures at or above the flash point.  
Static charge accumulation can cause incendiary electrical discharge.  
"Empty" containers retain liquid and/or vapor residues that can be dangerous
- Extinguishing media: Water spray to cool hot surfaces and to protect personnel; foam, dry chemical powder and/or carbon dioxide to extinguish the fire.
- Protective equipment: Wear self-contained breathing apparatus and protective clothing to protect against heat, and to prevent contact with eyes and skin.
- Decomposition products: Nothing unusual

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

- Precautions: Avoid contact with eyes and skin, and avoid inhalation of aerosols.
- Clean up: Absorb with an inert material; place in closed containers; ventilate area; clean spill site and dispose of waste according to applicable Federal, State and Local regulations.

#### **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: Clear liquid.  
Boiling point: 159 ° to 179 ° C (318.2 ° to 354.2 ° F)  
Specific gravity: 0.77 at 15 ° C (59 ° F) (H<sub>2</sub>O = 1.0)

### **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.

