

### 1. IDENTIFICATION OF THE SUBSTANCES AND ITS USES:

**1.1. COMMERCIAL USE:** Compound for Perfume and Food Industry

**1.2. INTENDED USE:** Perfumery & Food Ingredients.

**1.3. ADDRESS OF THE MANUFACTURER OF INDIA:  
M/S U.K. AROMATICS PRIVATE LIMITED**

Plot no K-6/3 & K-7, Kaloda Naka,

Tarapur MIDC, Navapur Road,

Boisar – 401506, Maharashtra.

Co no:2525-661081/82

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### 2. HAZARDS IDENTIFICATION

#### Physical & Chemical hazards:

Refer to the paragraph relating to physical and chemical properties and regulatory information.

Hazards to humans: Refer to the paragraph relation to toxicology data and regulatory information.

Hazards to the Environment: Refer to the paragraph relation to ecological data and regulatory information.

### 3. COMPOSTION/INFORMATION ON INGREDIEINTS

**PRODUCT NAME:** TERPINYL FORMATE

**FORMULA:** C<sub>11</sub> H<sub>18</sub> O<sub>2</sub>

**MOLECULAR WT:** 182.26

**CAS NO:** 2153-26-6

**ECHA EINECS:** 218-444-0

### 4. FIRST AID MEASURES

**4.1. EYE CONTACT:** Rinse immediately with plenty of water for at least 10 minutes.

Contact physician if symptoms persist

**4.2. SKIN CONTACT:** Wash skin thoroughly with soap and water for several minutes.

Take off immediately all contaminated clothing.

Contact physician if symptoms persist.

**4.3. INGESTION:** Rinse mouth with water.

Obtain medical advice.ST

**4.4. INHALATION:** Remove person to fresh air and keep at rest.

Seek immediate medical advice.

### 5. FIRE-FIGHTING MEASURES

**5.1. EXTINGUISHING:** CO<sub>2</sub>, FOAM, DRY CHEMICALS. For safety reasons do not use full water jet.

**5.2. ADVICE FOR FIREFIGHTERS:** Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.

### 6. ACCIDENTAL RELEASE MEASURES

**6.1. PERSONAL PRECAUTIONS:** Use and individual protective equipment (waterproof boots, suitable protective clothing, safety glasses). Prevent any contact with hot surface. Do not approach facing the wind.

**6.2. ENVIRONMENT PRECAUTIONS:** Avoid discharging into drains, surface waters, or groundwaters in order to avoid contamination of the environment.

**6.3. METHODS OF CLEANING UP:** Contain spilled material. Cover with and inert, non – combustible, Inorganic absorbent material or sweep up and remove to an approved disposal container. Avoid open Flames or other sources of ignition.

### 7. HANDLING AND STORAGE

**7.1. PRECAUTIONS FOR SAFE HANDLING:** Apply according to good manufacturing and industrial hygiene practices/proper ventilation. Wear protective clothing and use glasses. Do not drink, eat or smoke while handling. Respect good personal hygiene.

**7.2. STORAGE CONDITIONS:** Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Keep away from incompatible materials.

### 8. EXPOSURE CONTROL

- 8.1. RESPIRATORY PROTECTION:** Avoid breathing directly on the product. Apply local ventilations appropriate.
- 8.2. VENTILATION:** Ensure good ventilation of the work station.
- 8.3. HAND PROTECTION:** Avoid skin contact. Use chemical resistant gloves as needed.
- 8.4. EYE PROTECTION:** Use safety glasses
- 8.5. WORK/HYGIENIC PRACTICES:** Wash hand with soap and water after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE:** Colorless clear liquid.
- FLASHPOINT:** 207.00 °F. TCC (97.22 °C.)
- SPECIFIC GRAVITY @20 °C:** 0.9770 TO 0.9850
- SPECIFIC GRAVITY @25 °C:** 0.9710 TO 0.9810
- WATER SOLUBILITY:** Insoluble in water

### 10. STABILITY AND REACTIVITY

- 10.1. REACTIVITY:** It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
- 10.2. CONDITIONS TO AVOID:** Excessive heat, open flamed or other sources of ignition, otherwise stable at ambient conditions.

### 11. TOXICOLOGICAL INFORMATION

- LD 50 oral (mg/kg) ORGANISM: >5000 mg/kg
- Organism: Rat

### 12. ECOLOGICAL INFORMATION

- 12.1. BIODEGRADABILITY (mg/kg):** Not determined
- 12.2 PRECAUTIONS:** Prevent from contamination of soil, ground and surface water.

### 13. DISPOSAL CONSIDERATION

In accordance with local environment laws, do not drain system in to the environment.

### 14. TRANSPORT INFORMATION

**Class:** UN/ID Number

**Packing group:** Not restricted

**RID/ADR:** Not restricted

**IMDG:** Not restricted

**ICAO/IATA:** Not restricted

### 15. REGULATORY INFORMATION

**LABEL:** TERPINYL FORMATE

### 16. OTHER INFORMATION

The information contained in the present MSDS, according to regulation 1907/2006, is based on our knowledge and experience at the moment of publishing it. This document tries to give information about the Correct use, storage and transport. Bearing in mind that the use of this information and the conditions of the Product is not under control **U.K. AROMATICS PVT LTD**, MUMBAI provides the information contained herein in a good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose and take the responsibility for observing existing laws and regulations.