

 **MATERIAL SAFETY DATA SHEET****NUVO AUSTRALIA PTY LTD**

(ACN 089 731 617)

**324/ 23 MILTON PARADE****MALVERN VIC 3144 AUSTRALIA****PHONE: (03) 9822 2209****FAX: (03) 9822 2109****EMERGENCY No. 0419 341 095 any time****http://www.nuvo.com.au****PRODUCT: TETRAHYDROFURAN****PRODUCT NAMES:** Tetrahydrofuran**OTHER NAMES:****UN NUMBER:** Not applicable**HAZCHEM CODE:** Not applicable**PACKAGING GROUP:** Not applicable**USES:****DANGEROUS GOODS:****CLASS & SUB RISK:** Not applicable**POISONS SCHEDULE:** Not applicable**STATEMENT OF HAZARDOUS NATURE:**

Classified as hazardous according to criteria of Worksafe Australia

**PHYSICAL DESCRIPTION/PROPERTIES:****APPEARANCE/ODOUR** : Colourless liquid, ethereal odour.**MELTING POINT** : -108.4°C**INGREDIENTS:**

CHEMICAL ENTITY	CAS No.	PROPORTION
Tetrahydrofuran	109-99-9	100%

**1. HEALTH HAZARD INFORMATION****Health Effects:****Swallowed**

May be harmful if swallowed.

**Eyes**

When heated, material emits highly irritating vapours, affecting the eyes.

**Skin**

May produce skin irritation. Repeated for prolonged skin contact may cause dermatitis and defatting.

**Inhaled**

When heated, material emits irritating vapours, affected the respiratory tract and other mucous membranes. Symptoms include nausea, drowsiness, headache, dizziness, and anaesthetic effects.

**Chronic:**

Effects are not known.

**2. FIRST AID****Swallowed**

Rinse mouth with water. Do not induce vomiting. Volatile chemicals have a high risk of being aspirated into the victim's lungs during vomiting which increases the medical problems. If swallowed, administer lukewarm water or milk. Administer an aqueous slurry of activated charcoal followed by a cathartic such as magnesium citrate or sorbitol. Obtain medical attention.

**Eyes**

Flush with lukewarm water for at least 15 minutes. Retract eyelids. Obtain medical attention.

**Skin**

Remove contaminated clothing and contaminated shoes. Wash skin with water and soap. Obtain medical attention.

**MATERIAL SAFETY DATA SHEET****PRODUCT: TETRAHYDROFURAN****Inhaled**

Remove victim to fresh air. Allow the victim to rest. If breathing is difficult, give oxygen. Seek medical advice.

**3. PRECAUTIONS FOR USE****Exposure standards**

TWA: 590 mg/m<sup>3</sup>, 200 ppm

**Engineering controls**

Ensure workplace is well ventilated. Breathing must be protected when decanting large quantities of product without local exhaust ventilation.

**Personal protection**

Protective goggles

Protective gloves

Anti-static safety shoes

Use self-contained breathing apparatus

Protective clothing

**Environment**

This product is classified as slightly polluting in water.

**Personal protection comments**

Employ good hygiene practices when using. Wash hands thoroughly after handling. A safety shower and eyewash fountain should be available in all work areas.

**Flammability**

Highly flammable. May form explosive peroxides. Irritating to eyes and respiratory system.

**4. SAFE HANDLING INFORMATION****Storage conditions**

Store in tightly closed containers away from heat, sparks, open flame. Handle empty containers with care because residual vapours are flammable. Containers must be properly grounded before beginning transfer. Do not use compressed air or oxygen for material or circulation. Do not store in tin, rubber, or plastic.

**Spills & disposal**

Take up large spills with pump or vacuum and finish with dry chemical absorbent. Flush residue with large amounts of water. A fire hazard remains if absorbents were used with this material. Incinerate liquid residues and solids used as spillage absorbents. Dispose only by approved contractors following regulations covering disposal of these materials.

**Fire/Explosion Hazard**

This product is considered to be hazardous. In contact with air, may generate explosive peroxides, which may detonate or ignite spontaneously. When heated to decomposition, emits toxic fumes (Carbon Monoxide and Carbon Dioxide). Vapours may travel long distances along ground before igniting/flashing back to vapour source. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Prevent fire-fighting water from entering the environment. Suitable extinguishing media are dry powder, foam or CO<sub>2</sub>. Apply water spray or fog to cool nearby equipment. Water may be ineffective in firefighting.

**CONTACT POINT:****Emergency response No. 0419 341 095 (all hours)**

**DISCLAIMER:** The information given in this data sheet is based on data supplied by the manufacturer and is, to the best of our knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use are beyond our control. The information and recommendations offered are for the user's consideration and it is the user's responsibility to satisfy themselves that they are suitable and complete for this particular purpose. We recommend that the safety and handling information presented in this data sheet be passed on, in an appropriate format, to your customers and handlers.