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**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY**

**Product Name:** Taisol 70  
**Product Type:** Solvent  
**Supplier:** Nuvo Australia Pty. Ltd.  
**Address:** Suite 324, 23 Milton Parade, Malvern, Victoria, 3142.  
**Contact Numbers:**  
**Phone:** 61 3 9822 2209  
**Fax:** 61 3 9822 2109  
**Email:** [info@nuvo.com.au](mailto:info@nuvo.com.au)  
**Emergency telephone number:** 0419 341 095

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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Substance Formal Name:** C10 to C14 alkanes  
**Substance Chemical Family:** Aliphatic Hydrocarbon  
**CAS Number:** 93924-07-03  
**EINECS Number:** 300-199-7

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**3. HAZARDS IDENTIFICATION**

**Human health hazards:** Harmful: may cause lung damage if swallowed..  
**Safety Hazards:** No specific hazards.  
**Environmental Hazards:** No specific hazards.

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**4. FIRST AID MEASURES**

**First Aid – Inhalation:** Remove to fresh air. If rapid recovery does not occur, obtain medical attention.  
**First Aid – Skin:** Wash skin with water using soap if available. Contaminated clothing must be removed as soon as possible. It must be laundered before reuse.  
**First Aid – Eye:** Flush eye with water. If persistent irritation occurs, obtain medical attention.  
**First Aid – Ingestion:** DO NOT DELAY. Do not induce vomiting. Protect the airway if vomiting begins. Give nothing by mouth. If breathing but unconscious, place in the recovery position. If breathing has stopped, apply artificial respiration.

**OBTAIN MEDICAL ATTENTION IMMEDIATELY.**

**Advice to Physicians:** Treat symptomatically.

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

**Specific Hazards:** Combustion products may include carbon monoxide and unburnt hydrocarbons. Will float and can be reignited on surface water.

**Extinguishing Media:** Foam, water spray or fog. Dry chemical powder, carbon dioxide and sand or earth may be used for small fires only.

**Unsuitable Media:** Do not use water in a jet.

**Other Information:** Keep adjacent drums and tanks cool by spraying with water.

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

**Personal Precautions:** Remove all possible sources of ignition in the surrounding area and evacuate all personnel. Do not breath vapour, mists. Avoid contact with skin, eyes and clothing. Take off immediately all contaminated clothing.

**Personal Protection:** Wear protective clothing specified for normal operations.

**Environmental Precautions:** Prevent from entering into drains, ditches or rivers. Use appropriate containment to avoid environmental contamination.

**Cleanup methods – small spillage:** Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labeled sealable container for subsequent safe disposal. Do not disperse using water.

**Cleanup methods – large spillage:** Transfer to a labeled sealable container for product recovery or safe disposal. Otherwise treat as for small spillage.

**Other Information:** Local authorities should be advised if significant spillages cannot be contained. Observe all relevant local regulations.

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

**Handling:** When using do not eat, drink or smoke. Only use in well-ventilated areas. Take precautionary measures against static discharges. Earth or bond all equipment.

**Handling Temperature:** Ambient.

**Storage:** Locate tanks away from heat and other sources of ignition. Do not store in unsuitable, unlabelled or incorrectly labeled containers. Keep container tightly

closed in a dry, well-ventilated place away from direct sunlight and other sources of heat or ignition. Prevent ingress of water. Drums should be correctly stacked to a maximum of 3 high. Keep in bunded area. Keep out of reach of children.

<b>Storage Temperature:</b>	Ambient.
<b>Product Transfer:</b>	Electrostatic charges may be generated during pumping. Ensure electrical continuity by bonding all equipment. Avoid splash filling. Wait 10 minutes after tank filling before opening hatches or manholes.
<b>Tank Cleaning:</b>	Cleaning, inspection and maintenance of storage tanks is a specialist operation which requires implementation of strict procedures and precautions. These include issuing work permits, gas-freeing of tanks, using a manned harness and lifeline and wearing air-supplied breathing apparatus. Prior to entry and whilst cleaning is underway, the atmosphere within the tanks must be monitored using an oxygen meter and/or explosimeter.
<b>Recommended Materials:</b>	Use mild steel, stainless steel or containers. Aluminium may also be used for applications where it does not present an unnecessary fire hazard. Use amine-adduct cured epoxy paint for container linings. Use compressed asbestos fibre, PTFE, Viton A, Viton B for seals and gaskets.
<b>Unsuitable Materials:</b>	Materials for the construction of facilities for storing, handling and distributing this product should neither present unnecessary safety hazards nor adversely affect its quality. Examples of materials to avoid are: copper, copper alloys (ferrous and nonferrous), zinc, zinc alloys. Synthetic materials such as plastics and fiberglass may also be unsuitable, depending on the material specification and intended use. Materials for packages, containers (including containers for the retention or dispatch of samples) and container linings must not adversely affect the quality of the product. They must be impermeable and must not be weakened or otherwise affected by the product. Examples of materials to avoid are: natural rubber, polymethyl methacrylate, polystyrene, polyvinyl chloride, polyisobutylene. Polyethylene and polypropylene are also unsuitable unless they are high density types which have been specifically tested for compatibility with this product.
<b>Other Information:</b>	Ensure that all local regulations regarding handling and storage facilities are followed. Avoid the use of plastic containers for draining or sampling purposes. Never siphon by mouth.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Standards:</b>	None established.
<b>Respiratory Protection:</b>	Not normally required. In a confined space self-contained breathing apparatus may be required.
<b>Hand Protection:</b>	PVC or nitrile rubber gloves if splashes are likely to occur.
<b>Eye Protection:</b>	Monogoggles if splashes are likely to occur.
<b>Body Protection:</b>	Wear overalls to minimize containment of personal clothing. Launder overalls and undergarments regularly. Safety shoes or boots – chemical resistant.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid at ambient temperature
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>Initial Boiling Point:</b>	circa 190°C
<b>Final Boiling Point:</b>	circa 230°C
<b>Vapour Pressure:</b>	< 0.1 kPa at 40°C
<b>Density:</b>	circa 735 kg/m <sup>3</sup> at 15°C
<b>Kinematic Viscosity:</b>	1-2 mm <sup>2</sup> /s at 40°C
<b>Vapour Density (air =1):</b>	> 5
<b>Flash Point:</b>	> 70°C
<b>Flammability Limit – lower:</b>	circa 0.5%(V/V)
<b>Flammability Limit – upper:</b>	circa 4.7%(V/V)
<b>Auto-ignition Temperature:</b>	> 200°C
<b>Explosive Properties:</b>	In use, may form flammable/explosive vapour-air mixtures
<b>Oxidising Properties:</b>	None
<b>Solubility in Water:</b>	Insoluble

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## 10. STABILITY/REACTIVITY

<b>Stability:</b>	Stable.
<b>Conditions to avoid:</b>	Heat, flames and sparks.
<b>Materials to avoid:</b>	Strong oxidising agents.
<b>Hazardous decomposition products:</b>	None known.

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## 11. TOXICOLOGICAL INFORMATION

<b>Basis for assessment:</b>	Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the toxicology of similar products.
<b>Acute toxicity – oral:</b>	LD <sub>50</sub> >2000 mg/kg

<b>Eye Irritation:</b>	<b>Expected to be non-irritant.</b>
<b>Skin Irritation:</b>	<b>Expected to be non-irritant.</b>
<b>Skin Sensitisation:</b>	<b>Not expected to be a skin sensitiser.</b>

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## **12. ECOLOGICAL INFORMATION**

<b>Basis for Assessment:</b>	<b>Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the ecotoxicology of similar products.</b>
<b>Mobility:</b>	<b>Floats on water.</b>
<b>Persistence/degradability:</b>	<b>Inherently biodegradable.</b>
<b>Bioaccumulation:</b>	<b>Data not available.</b>
<b>Ecotoxicity:</b>	<b>Data not available.</b>
<b>Sewage Treatment:</b>	<b>Data not available.</b>

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## **13. DISPOSAL CONSIDERATIONS**

<b>Precautions:</b>	<b>See Section 8.</b>
<b>Waste Disposal:</b>	<b>Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand. Do not dispose into the environment, in drains or water courses,</b>
<b>Product Disposal:</b>	<b>Recycle if possible, otherwise incineration.</b>
<b>Container Disposal:</b>	<b>200 litre drums should be drained and returned to the supplier or sent a drum conditioner without removing or defacing markings or labels. After draining, vent in a safe place away from sparks and fire.</b>

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## **14. TRANSPORT INFORMATION**

**Not classified as dangerous for conveyance under UN, IMO, and IATA/ICAO codes.**

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## **15. REGULATORY INFORMATION**

<b>EC Label Name:</b>	<b>Hydrocarbon mixture.</b>
<b>EC Classification:</b>	<b>Harmful.</b>
<b>EC Symbols:</b>	<b>Xn</b>

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

**TAISOL 70**

**EC Risk Phrases:**

**R65 Harmful: may cause lung damage if  
swallowed.**

**EC Safety Phrases:**

**S62 If swallowed, do not induce vomiting; seek  
medical advice and show this container or label.  
300-199-7**

**EINECS**

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**16. OTHER INFORMATION**

**Uses and restrictions:**

**For use as an industrial solvent.**