



**Seek immediate medical attention if swallowed.**

- Inhalation** : Not likely route of exposure. If so, move exposed person to fresh air. Inhalation of vapor and/or mist might irritate respiratory organ, nausea, dizziness or unconsciousness. If breathing is irregular or has stopped administer oxygen if available, and seek immediate medical attention.
- Eye** : Check for and remove any contact lenses immediately flush eyes with running water for at least 10 minutes, keeping eyelids open. Seek medical attention if irritation persists.
- Skin** : Remove contaminated clothing and shoes. Wash contaminated area with soap and water. Get medical attention immediately if symptoms persist.
- Ingestion** : Wash out mouth with water, Do not induce vomiting. Seek medical attention immediately.

**Section 5 – FIRE FIGHTING MEASURES**

- Flash Point** : 121 C (250 F) Auto-ignition: 216 C (420 F)
- Flammable Limits** : (approx. % in vol. in air) – Lower =0.5%, Upper =7%.
- Hazards** : Combustible liquid, When heated above flash point limits catch fire releasing carbon Di oxide and carbon mono oxide fumes can be toxic.
- Protective Measures** : For fires in confined or enclosed spaces, fire fighters must wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Plan a fire protection and call local fire protection authority.

**Section6 – ACCIDENTAL RELEASE MEASURE**

- Personal Precautions** : Evacuate the area and eliminate all sources of ignition. Ventilate area. Put on appropriate personal equipment (see section 8).
- Environmental Precautions** : Prevent entry into sewers, water courses, basements & confined areas. Inform the relevant authorities if spilled or contaminates with soil, water, vegetation.
- Small Spill** : Smaller spillage can be wiped up with paper cloth.
- Large Spill** : Stop leak if without risk. Contain and collect spillage with non combustible, absorbent material e.g. sand, earth, vermiculite or Diatomaceous earth and place in container for disposal according to local regulations (see section 13).

**Section7 – HANDLING AND STORAGE**

<b>Handling</b>	:	Keep product away from ignition sources, such as heat, sparks, static electricity, open flame Etc. Avoid contact with skin, eyes, clothing. Avoid breathing vapor/mist. Wash hands after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled. Protective equipment be properly maintained and kept approachable. Handle the material in ventilated area.
<b>Storage</b>	:	Store in original sealed liquid wax cartridge protected from direct sunlight in a dry, cool and well ventilated area. Away from acids, oxidizing materials, food and drinks.
<b>Additional Precautions</b>	:	Do not use electronic devices in storage area. Empty liquid wax cartridges contain a residue (liquid and/or vapor) and this can be hazardous. Do not attempt to refill the cartridges. Dispose of the sealed used cartridge in an environmentally safe manner keeping away from the source of ignition and in accordance with government regulations.

**Section8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

<b>Exposure Limit</b>	:	No expose limits have been established for this product.
<b>Exposure Control</b>	:	Ensure adequate ventilation. Avoid prolonged or repeated contact with skin. Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water after contact before having food and/or drinks. Harmful if swallowed and may cause lung damage. Keep out of the reach of children, a single sip of lamp oil or even sucking of wick can cause serious damage to lungs and respiratory organs.
<b>Occupational Exposure Controls:</b>		In normal condition of use, no special protection for skin or eyes is required. Prevent repeated and/ or prolonged contact with liquid/vapor

**Section9 – PHYSICAL AND CHEMICAL PROPERTIES**

**General information**

<b>Appearance</b>	:	Liquid
<b>Color</b>	:	Water White Oily
<b>Odor</b>	:	Mild, Paraffinic

**Important health, safety and environmental information**

<b>Boiling Range</b>	:	250 – 300 ° C
<b>Vapor Pressure</b>	:	7-8 (Air=1)
<b>Solubility</b>	:	Insoluble in water and/or negligible.
<b>Specific Gravity</b>	:	0.75 – 0.85 (@25 ° C)
<b>Viscosity</b>	:	2.5 – 13 cps(@ 40 ° C)

**Section10 – STABILITY AND REACTIVITY**

<b>Stability</b>	:	Stable under normal conditions.
<b>Conditions To Avoid</b>	:	Avoid heat, spark, naked flames and other sources of ignition.
<b>Material To Avoid</b>	:	Avoid contact with acids and oxidizing agents.
<b>Hazardous Decomposition</b>	:	Under normal conditions of storage and use product does not decompose. Fire produces toxic gases/ vapors/ fumes of oxides of Carbon.

#### Section11 – TOXICOLOGICAL INFORMATION

<b>Eye</b>	:	Primary Irritation Index (Rabbits) : 5.7 for Non Washed Eyes after 1 Hr Primary Irritation Index (Rabbits) : 6 for Washed Eyes after 1 Hr (Max. 110) for Washed and Non Washed eyes. Eyes contact may cause redness and transient pain.
<b>Skin</b>	:	Primary Irritation Index (Rabbits) : 4.4 (Max.8.0) Acute Dermal LD50 (Rabbits) : >2g/kg Repeated and prolonged exposure may cause irritation.
<b>Inhalation</b>	:	LC50 (Rats):>5.8 mg/l (nominal) with four hour exposure. Unlikely to present any kind of inhalation hazard at ambient temperature in bulk liquid form. Inhalation of oil mist or vapor at elevated temperature may cause respiratory irritation.
<b>Ingestion</b>	:	Acute oral LD50 (Rat): > 5g/kg. Ingestion may cause nausea and eventually vomiting & diarrhea.

#### Section12 – ECOLOGICAL INFORMATION

<b>Eco-toxicity</b>	:	Aquatic toxicity data of base oils indicates LC50 values of > 1000mg/l, which is considered as low toxicity.
<b>Mobility</b>	:	Water: low water solubility: product spreads over the surface and slowly evaporate. Soil: product has very slight mobility in soil and will partially evaporate.
<b>Persistence &amp; Degradability</b>	:	Not known.
<b>Bio-accumulative Potential</b>	:	Model suggest that petroleum oils may bio-accumulate but the Bio-availability limitations may reduce this potential.
<b>Other Adverse Effects</b>	:	Sills may form a film on water surfaces.

#### Section13- DISPOSAL CONSIDERATIONS

Dispose of empty/used liquid wax cartridges in accordance with local authority requirements and in an environmentally safe manner. Empty cartridges contain a liquid and/or vapor residue and this can be hazardous. Keep away from source of ignition. Do not attempt to refill.

#### Section14 – TRANSPORT INFORMATION

**DOT Description** : This product is not a hazardous material according to DOT Regulations for ground transportation.

**This product is not regulated for carriage according to ADR/RID, IMDG, ICAO, IATA.**

#### Section 15 – REGULATORY INFORMATION

**Contains** : White Mineral Oil/Purified Paraffinic Oil CAS No.8042-47-5 Alkanes, C14-16 CAS NO. 90622-46-1.

**Risk Phrases (EU Classification)** : Harmful, may cause lung damage if swallowed Repeated and/or prolonged exposure to skin may cause dryness and/or cracking and irritation.

**Symbols (EU Classification)** : None.

**Safety Phrases (EU Classification)** : Keep out of the reach of children, Keep away from food, drinks, and animal feed stuffs. If swallowed seek medical advice immediately.

#### Section 16 – OTHER INFORMATION

##### **Additional labeling for FANUS Liquid wax Cartridges:**

- For small children a single sip of lamp oil or even sucking of wick can cause severe lung damage.
- Do not inhale or breathe vapors/mist.
- Avoid prolonged and/or repeated contact with skin.
- If swallowed, do not induce vomiting, call physician immediately.
- Never leave burning cartridge unattended. Do not tamper the wick. Do not refill the cartridges.

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