

**MATERIAL SAFETY DATA SHEET: A100**

**Reference : A100 MSDS**

**1. PRODUCT : SOME SUBSTANCE OR PREPARATION OF THE SOCIETY :**

**Product name:** A100

- Commercial use: vacuum pump lubricant

Supplier: ALCATEL VACUUM TECHNOLOGY FRANCE  
98 avenue de BROGNY  
BP 2069  
74009 ANNECY CEDEX  
FRANCE

**Telephone:** (33) 4 50 65 77 77

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**Emergency telephone number:** (33) 4 50 65 77 77

**The time schedule :** 8 a m to 12 a m and 2 p m to 5 p m

**2. INFORMATION ON INGREDIENTS:**

GENERIC NAME: 100% Solvent refined Neutral paraffinic oil

CHEMICAL FORMULA:  $(CH_2)_n$  20 = < n = < 40

HAZARDOUS INGREDIENTS: None

- CAS No (Chemical Abstract Service Registry Number) : 64742-65-0

**3. HAZARDS IDENTIFICATION :**

POSSIBLE ENTRY ROUTES: Ingestion, inhalation of oil mists

This product is not classified as hazardous.

ACUTE EFFECTS: Exposure to oils mists may cause nausea and eye irritation.

Detailed studies have not been made, but material is not expected to be dermatitic or a sensitizer.

CHRONIC EFFECTS: Unknown.

**4. FIRST AID MEASURES:**

SKIN: Wash with soap and water.

EYES: Flush with water. Contact a physician!

INGESTION: If swallowed, do not induce vomiting.

Contact a physician. Small amounts in mouth may be washed out.

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**5. FIRE FIGHTING MEASURES:**

FLASH POINT: >213° C  
 METHOD USED: Cleveland Open Cup  
 EXPLOSIVE LIMITS LOWER: Unknown UPPER: Unknown  
 EXTINGUISHING MEDIA: Water fog, chemical foam or carbon dioxide.  
 NFPA Class III B Material.  
 SPECIAL FIREFIGHTING PROCEDURES: Wear breathing gear when fighting fires in enclosed spaces; incomplete combustion of this material produces carbon monoxide !  
 UNUSUAL FIRE AND/OR EXPLOSION HAZARDS: None

**6. ACCIDENTAL RELEASE MEASURES**

PROCEDURE TO BE FOLLOWED IN EVENT OF RELEASE:  
 Small spills may be wiped up with a rag.  
 Large spills should be picked up immediately with an absorbent.

**7. STORAGE AND HANDLING:**

HANDLING: None known  
 STORAGE: None known

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

ENGINEERING CONTROL MEASURES: None required  
 RESPIRATORY PROTECTION: See notes on ventilation below.  
 PROTECTIVE GLOVES: Yes - made of oil-impermeable rubber  
 SAFETY GLASSES/GOGGLES: Yes - glasses should have side shields  
 OTHER PROTECTIVE EQUIPMENT: None should be required under normal use.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

PHYSICAL STATE: Liquid  
 VAPOR PRESSURE: < .0001 Torr @ 25C  
 BOILING POINT: >200 C  
 EVAPORATION RATE (ether = 1): Nil  
 VAPOR DENSITY: approximately 14  
 WT % VOLATILES: Nil  
 SPECIFIC GRAVITY: 0.87  
 VISCOSITY: 54 cst @ 40 C  
 SOLUBILITY IN WATER: Nil  
 APPEARANCE: Pale yellow viscous liquid with a faint petroleum odor.

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**10. STABILITY AND REACTIVITY:**

STABILITY: Material is stable  
 CONDITIONS TO AVOID: Continuous exposure to temperatures > 200° C  
 INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers  
 HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce carbon monoxide.

**11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL LD50(MG/KG): None known  
 ACUTE DERMAL LD50: None  
 ACUTE INHALATION: US Gov't 8 hr TWA limit for exposure to oil mists is 5 mg per cubic meter

**12. ECOLOGICAL INFORMATION:**

ENVIRONMENTAL: When used and/or disposed of as indicated, no adverse environmental effects are foreseen.  
 MOBILITY: Non-volatile and insoluble in water.  
 DEGRADABILITY: Slowly biodegradable in aerobic conditions.

**13. DISPOSAL CONSIDERATIONS:**

Product and packaging must be disposed of in accordance with Federal, State and local regulations.

**14 TRANSPORT CONSIDERATIONS:**

Not classified as hazardous for transport by air, sea or road.

**15 REGULATORY INFORMATION:**

TSCA:  
 This material is in compliance with the TOXIC SUBSTANCE CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA Inventory.

**HAZARD CATEGORIES FOR SARA 311/312 REPORTING**

HEALTH	Immediate (Acute)	No
HEALTH	Delayed (Chronic)	No
PHYSICAL	Fire	No

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- PHYSICAL Sudden release of pressure No
- PHYSICAL Reactive No
- PHYSICAL Nuisance Mist/ Dust Only No

- |                       |                         |                      |
|-----------------------|-------------------------|----------------------|
| 01=SARA 313           | 11=NJRTK                | 21=TSCA Sect 5(a)(2) |
| 02=MASS RTK           | 12=CERCLA 302.4         | 22=TSCA Sect 6       |
| 03=NTP Carcinogen     | 13=MN RTK               | 23=TSCA Sect 12(b)   |
| 04=CA Prop 65-Carcin  | 14=ACGIM TWA            | 24=TSCA Sect 8(a)    |
| 05=CAProp65-ReprofTox | 15=ACGIH STEL           | 25=TSCA Sect 8(d)    |
| 06=IARC Group 1       | 16=ACGIH Calc TLV       | 26=TSCA Sect 4(a)    |
| 07=IARC Group 2A      | 17=OSHA PEL             | 27=Canadian WHMIS    |
| 08=IARC Group 2B      | 18=DOT Marine Pollutant | 28=OSHA CEILING      |
| 09=SARA 302/304       | 20=EPA Carcinogen       |                      |
| 10=PA RTK             |                         |                      |

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC  
 Is found on lists: 14,15,17

NEW JERSEY RTK CLASSIFICATION:  
 Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et.seq.,  
 the product is to be identified as follows:PETROLEUM OIL

**16 OTHER INFORMATION:**

**NFPA RATING**

FLAMMABILITY	1
HEALTH HAZARD	0
REACTIVITY	0
SPECIAL HAZARD	NONE

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This sheet completes the technical user manual of our equipments but does not replace it. The information that it contains is based on our knowledge concerning the product in question, on the date of edition of this sheet, and is given in good faith. Users should also pay attention to the risks which may be involved when a product is used for purposes other than that for which it was originally intended.

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