

MATERIAL SAFETY DATA SHEET: A121
Reference : A121 MSDS
1. PRODUCT: SOME SUBSTANCE OR PREPARATION OF THE SOCIETY:
Product name: A121

- 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

Fax: (33) 4 50 65 77 89

Email: Jean-Loup.MONBEIG@adixen
Person to contact: AVTF Quality Manager

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% White Mineral Oil

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

HAZARDOUS INGREDIENTS: None

- CAS number 8042-47-5

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.

MATERIAL SAFETY DATA SHEET: A121

Reference : A121 MSDS

4. FIRST AID MEASURES:

- In the event of severe disorders, call a doctor or request immediate medical help.
- Information in the event of:
 - * CONTACTS WITH EYES:
Immediately flush eyes with plenty of cool water for at least 15 minutes. Do not let victim rub eyes.
 - * SKIN:
Wash contaminated areas with soap and water.
 - * INGESTION:

Do not induce vomiting.
Small amounts in mouth may be washed out. Contact a physician.

5. FIRE FIGHTING MEASURES:

FLASH POINT: >243° 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

MATERIAL SAFETY DATA SHEET: A121

Reference : A121 MSDS

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

ENGINEERING CONTROL MEASURES: None required
 RESPIRATORY PROTECTION: See notes on ventilation below.
 VENTILATION: Good general ventilation at source of vapour.
 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 @ 25° C
 BOILING POINT: >300° C
 EVAPORATION RATE (ether = 1): Nil
 VAPOR DENSITY: approximately 14
 WT % VOLATILES: Nil
 SPECIFIC GRAVITY: 0.87
 VISCOSITY: 67 cst @ 40 C
 SOLUBILITY IN WATER: Nil
 APPEARANCE: Clear colourless liquid

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
 DERMAL LD50: None
 ACUTE INHALATION: US Gov't 8 hr TWA limit for exposure to oil mists is 5 mg per cubic meter

MATERIAL SAFETY DATA SHEET: A121

Reference : A121 MSDS

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 CLASSIFICATION:

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
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-ReprotTox	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	18=DOT Marine Pollutant	28=OSHA CEILING
09=SARA 302/304	20=EPA Carcinogen	
10=PA RTK		

MATERIAL SAFETY DATA SHEET: A121

Reference : A121 MSDS

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

GENERAL CONSIDERATIONS:

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.

No guarantees can be given on the accuracy of the information contained in this sheet. The sheet, given to our customers in good faith in the sole aim of informing and helping them in their research, cannot be considered to provide an absolute or implicit guarantee related to its use. Consequently, ALCATEL VACUUM TECHNOLOGY FRANCE or ALCATEL subsidiaries cannot be held responsible for damage of any type related to the publication of this document. Similarly, none of the information it contains should be interpreted as an authorisation or recommendation for the use of products which would cause an infringement of patent rights.