

Reference: FDS A200**1. PRODUCT AND COMPANY NAME:****Product name:** ALCATEL 200 OIL

- Commercial use: vacuum pump lubricant

Supplier: ALCATEL VACUUM TECHNOLOGY FRANCE

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FRANCE

Telephone: (33) 4 50 65 77 77**Fax:** (33) 4 50 65 77 89**Person to contact:** AVTF Quality Manager**Emergency telephone number:** (33) 4 50 65 77 77**2. INFORMATION ON INGREDIENTS:**

Mineral oil, hydrocarbonate

Cas number 64742-65-0

100% solvent refined neutral paraffinic oil

Chemical formula: $(CH_2)_n$ (n : between 20 and 40)**3. IDENTIFICATION OF RISKS:***** Contact with skin:**

Prolonged, repeated contact with the epidermis may cause skin infections favored by small wounds and friction with contaminated clothing.

*** Inhalation:**

A risk only exists for oils containing a proportion of very light distillates. Irritation of the mouth and the gastro-intestinal tract may then be observed.

4. FIRST AID MEASURES:

- Call a doctor

Ingestion: - No special treatment is generally required.

- Do not make the patient vomit to prevent risks of aspiration in the respiratory tract.

Inhalation: - In the event of exposure to high concentrations, bring the patient into the open air and keep warm and at rest.

Reference: FDS A200**Aspiration:** - In the event of vomiting, transport the patient to a hospital immediately.**Eyes:** - Wash eyes with large quantities of water and consult a specialist.**Skin:** - Wash skin with large quantities of water and consult a specialist.**Special case:**

In the event of contact with the skin by a high pressure jet, there is a risk of the product entering the body. The patient must be brought to a hospital even if there is no obvious wound.

5. FIRE CONTROL MEASURES:**Extinguishing methods:**

- Recommended: foam, CO₂, powder, sprayed water
- Not recommended: water jet

Specific protective measures in fire control:

- Wear a breathing apparatus due to the abundant fumes.

Other recommendations :

Accidental leakages of hydrocarbon oil in a pressurized circuit result in finely pulverized jets which can reach very high speeds. In these conditions, the lower limit of flammability of oil mists is reached for concentrations of approximately 45 g/m³.

6. MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL DISPERSION:

- Eliminate or destroy the product; containment and recovery using a physical method (e.g.: absorbent materials, cleaning of surfaces)
- Discharge must be eliminated in compliance with paragraph 13.
- Do not use dispersant products in the event of a risk of pollution of the natural environment.

7. STORAGE AND HANDLING:**STORAGE:**

- Storage temperature: ambient.
- Do not store with flammable materials (fuel) or with food products.

USE:

- Prevent projections (suitable clothing, protective screen on machines).

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- Prevent the formation or diffusion of oil mists in the atmosphere.
- Do not smoke or eat with contaminated hands.
- Do not wipe hands with cloths which have been used for cleaning.
- Do not use irritant products or solvents which destroy the sebaceous surface of the skin.
- Wash frequently with water and approved detergent soaps.
- Change clothing as soon as it becomes impregnated.
- Drain the metal machining vessels regularly since the risk generally increases with the wear and degradation of the oil.
- Design installations to prevent accidental projections on hot casings and electrical contacts.

Packaging materials:

- Only use hydrocarbon-resistant containers, joints and pipes.
- Send contaminated containers to an approved treatment company.

8. EXPOSURE INSPECTION / INDIVIDUAL PROTECTION:

Maximum permissible concentration of oil mists in the air:

USA standards: TLV value - TWA = 5 mg/m³
 TLV value - STEL = 10 mg/m³.

Individual protective measures:

- Wear gloves resistant to the chemical product.
- In operations where there is an overexposure to fumes and mists, a breathing apparatus must be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state:	Liquid
Appearance / color:	Yellowish
Odor:	Light hydrocarbon
Flow point:	-10°C
Boiling point:	> 200°C
Flash point:	> 223°C (Cleveland Open Cup)
Self-ignition temperature:	259°C
Vapor pressure at 25°C:	6.10 ⁻⁶ mbar
Density at 15°C:	0.86

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Reference: FDS A200**Kinematic viscosity at 40°C** 58 mm²/s (cSt)**Soluble with certain solvents****Non-soluble, non miscible with water****Thermal conductivity** at 20°C : 0.126 cal/g/°C**10. STABILITY AND REACTIVITY:**

In certain conditions, a reaction may occur with strong oxidizing agents:

- Risk of oxidation
- Risk of explosion with pure oxygen
- Decomposition: carbon monoxide

Conditions to avoid: Continuous exposure to temperature > 200°C

11. TOXICOLOGICAL INFORMATION:

In standard conditions of use of mineral oils and other ingredients, these products present no risk of intoxication.

12. ENVIRONMENTAL INFORMATION:

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. INFORMATION ON PRODUCT ELIMINATION:

Used mineral oils are all to be sent for regeneration, excluding any other use.

14. INFORMATION CONCERNING TRANSPORT:

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

Reference: FDS A200**15 OTHER INFORMATION:**

Types of use: Lubricant for vacuum pumps
(for more details, refer to the technical manual)

This sheet completes the technical user manual 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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