

MATERIAL SAFETY DATA SHEET: A120

Reference : A120 MSDS

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

Product name: A120 OIL
 - 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

Person to contact: AVTF Quality Manager

Email: Jean-Loup.MONBEIG@adixen

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

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

2. INFORMATION ON INGREDIENTS:

Severely refined mineral oil.

Ingredients contributing to risks: None to our knowledge.

Impurities contributing to risks: None.

N° CAS (Chemical Abstract Service Registry Number): 64742-65-0

N°EC: 265-169-7

3. IDENTIFICATION OF HAZARDS:

Health: Its nature does not induce irritation of the eyes

Not likely to induce an immediate irritation but lengthy and recurrent contacts can damage the skin.

Not volatile. There is no risk of inhalation with normal ambient temperatures.

At any temperature vapours and smokes are slightly irritating for the lungs. Ingestion will probably cause no negative effects.

Environment: Even though no particular ecological risk is foreseen and even if a bioaccumulation is unlikely, the spreading of this product must be avoided in every circumstance.

Others advices: None

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4. FIRST AID MEASURES:

- In the event of severe disorders, call a doctor or request immediate medical help.
- Information in the event of:
 - * **Contact with eyes:**
Wash eyes, separating the eyelids, with large quantities of water. No emergency measure is necessary, but if an ocular lesion appears, calls a doctor.
 - * **Contact with skin:**
Wash immediately with large quantities of water and soap the infected skin. No emergency measure is necessary, but if a skin lesion appears, asks for a medical intervention.
 - * **Inhalation:**
Take the person to the fresh air. In the case of no quick recovery, call the doctor.
 - * **Ingestion:**
Do not make the patient vomit. No special treatment is generally required, but if noxious effects for the health appear, calls a doctor.

5. FIRE CONTROL MEASURES:

Extinguishing methods:

- Recommended: dry chemical products, foam, CO2, steam
- Not recommended: direct water jet

Special means of protection:

- Limited risk of inflammation in case of an exposure to warmth and flames

Special equipments for firemen's protection:

An insulating breathing apparatus must be worn when fighting the fire in closed places.

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

Conditions/Materials to avoid:

Stable. Possibility of reaction with strong oxidizers.

Broken down products dangerous:

Thermal decomposition or incomplete combustion can produce carbon monoxides and irritating smokes.

Individual precautions:

No special measures are required.

Precautions for environmental protection:

The use of water to evacuate residue of ignition points is authorized.
 Avoid the discharge in public sewers or into free rivers.

Cleaning methods:

Absorb first, and then remove.

Means of absorption:

Sand or active clay

7. STORAGE AND HANDLING:

Manipulation:

Avoid prolonged or repeated contact with the epidermis.
 Avoid inhalation of vapours, sprayings or smokes.
 Do not wear infected clothes.

Storage:

Keep the containers carefully closed

8. EXPOSURE INSPECTION / INDIVIDUAL PROTECTION:

Technical measures:

No special measures required.

Specific inspection parameters:

TWA TLV (ACGIH): 5mg/m³ in case of oil vapours. Nevertheless, in every circumstance, exposition will be reduced to maximum by good ventilation and by safe working methods.

Breathing protection:

Inhalation of vapours, smokes or fog must be avoided by safe methods of work and a good airing.

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Protection of the eyes:

If a risk of projections exists during the manipulation, eyes must be protected (complete facial shield or working goggles with lateral protections).

Protection of the hands and skin:

Prolonged or repeated contact with the epidermis must be avoided by wearing clean gloves and protective clothes. Gloves made with PVC or nit rile may be appropriate.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state:	Oily liquid
Colour:	Yellow
Aspect:	Bright
Odour:	Low
pH:	Neutral
Boiling point, °C:	Initial boiling point > 300
Melting point, °C:	-12
Flash point, °C:	270 (ASTM D92, COC)
Self-ignition temperature, °C:	> 350
Upper explosion limit:	Unknown
Lower explosion limit:	Unknown
Vapour pressure, 20°C, kPa:	<0.01.
Kinematic viscosity at 40°C, mm²/s:	126
Density at 15°C:	0.88/0, 89
Water-solubility:	insoluble
Split coefficient, n-alcohol/water:	>3

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10. STABILITY AND REACTIVITY:

Stability: Product stable at standard storage, handling and operating temperatures.

Conditions to be avoided: heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

Materials to avoid: strong oxidizer

Dangerous breakdown products: incomplete combustion and thermolysis produce gases of varying toxicity such as CO, CO₂, various hydrocarbons, aldehydes, etc. and soot.

11. TOXICOLOGICAL INFORMATION:

Contact with the eyes: Its nature does not induce irritation of the eyes

Contact with skin: Not likely to induce an immediate irritation but lengthy and recurrent contacts can damage the skin.

In case of inhalation: Not volatile. There is no risk of inhalation with normal ambient temperatures. At any temperature vapours and smokes are slightly irritating for the lungs.

In case of ingestion: Ingestion will probably not induce bad effects on health.
 LD50 (oral, rat): >5000mg/kg

Carry it to an authorized place of disposal, or incinerate it in controlled conditions (EU Directives 2000/76/EC and 1999/31/EC). European Catalogue of Waste No. 13 02 05: oils motor, of gearboxes and of lubrication unchlorated with mineral basis.

Labelling/ Classification:
 CONCAWE product dossier no. 92/104 "lubricating oil base stocks"

12. ENVIRONMENTAL INFORMATION:

Mobility:

Little mobility expected in the soil.
 Some components can penetrate into the soil and induce pollution of underground water.
 Possibility of propagation in surface water.

Biodegradability:

Not easily biodegradable.

Ecotoxicity/ bio-accumulation:

Not considered to be dangerous for aquatic environment.

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13. INFORMATION ON PRODUCT ELIMINATION:

Excess product or waste:

Suitable elimination methods:

The only method authorised in France is recovery by an approved treatment company and regeneration or incineration in an approved installation.

Contaminated packaging

Suitable elimination methods:

Send to an approved treatment company.

14 INFORMATION ON TRANSPORTATION:

UN-no: Not classified

RID / ADR: Not classified

IMO: Not classified

IATA / ICAO: Not classified

Other: -

15 REGULATORY INFORMATION:

Marking according to the European directives

The usual precautions concerning the chemical products should be taken.

The product is not classified according to the directives 1999/45/EC and 2004/73/CE (29.ATP) of the EC.

Identification letter and danger characterisation of the product: none

16 OTHER INFORMATION:

Types of use: Lubricant

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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