

**MATERIAL SAFETY DATA SHEET : ABG400**

**Reference : ABG 400 MSDS**

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

**Product name:** ABG 400

- Commercial use: Turbo pump bearing lubricant  
 (delivered by AVTF in syringes p/n 200027 to 200031)

**Supplier:** ALCATEL VACUM 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](mailto: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 pm

**2. INFORMATION ON INGREDIENTS:**

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1220.

**3. HAZARDS IDENTIFICATION :**

This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

**4. FIRST AID MEASURES:**

**Inhalation :** If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention.

**Ingestion :** If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.

**Skin contact :** Wash off with soap and water. Get medical attention if symptoms occur. Wash clothing separately before reuse.

**Eye contact :** immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**5. FIRE FIGHTING MEASURES:**

**Suitable extinguishing media :** Carbon dioxide (CO2). Dry chemical. Foam.

**Unsuitable extinguishing media :** do not use a solid water stream as it may scatter and spread fire.

**MATERIAL SAFETY DATA SHEET : ABG400**

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**Hazardous combustion products :** carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Acrolein. Formaldehydes. Ketones. Hydrogen fluoride. Carbonyl fluoride.

**Protective equipment and precautions for firefighters :** wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Use water spray to cool unopened containers. Move containers from fire area if you can do it without risk.

**6. ACCIDENTAL RELEASE MEASURES:**

**Personal precautions :** observe precautions from other sections. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

**Environmental precautions :** prevent entry into waterways, sewers, basements or confined areas.

**Methods for containment up :** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

**Methods for cleaning up :** Soak up with inert absorbent material. Clean contaminated surface thoroughly. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE:**

**Handling :** Do not handle or store near an open flame, heat or other sources of ignition. Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Avoid contact with eyes. Avoid prolonged or repeated skin contact with this material. Wash thoroughly after handling. Avoid breathing gas/vapors/mist/fumes. Do not take internally. Do not taste or swallow.

**Storage :** Keep away from heat and sources of ignition. Store in cool place. Store in a closed container away from incompatible materials.

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

**Exposure limits :**

- **ACGIH** None available
- **OSHA** None available

**Engineering controls :** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Eye/face protection :** Wear safety glasses; chemical goggles (if splashing is possible).

**Skin protection :** Wear nitrile, neoprene, PVC or viton gloves. Wear suitable protective clothing.

**Respiratory protection :** no personal respiratory protective equipment normally required. An air purifying respirator with an organic vapor cartridge may be used under certain circumstances where airborne concentrations are expected to exceed exposure limits, or if accordance with 29 CFR 1910.134.

**MATERIAL SAFETY DATA SHEET : ABG400**
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**General hygiene considerations :** When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Keep away from food and drink.

**9. PHYSICAL AND SECURITY TECHNICAL DATA:**

<b>Color :</b>	Light yellow
<b>Odor :</b>	Slight
<b>Odor threshold :</b>	Not available
<b>Form :</b>	Semi-solid
<b>pH :</b>	Not available
<b>Melting point :</b>	Not available
<b>Freezing point :</b>	Not available
<b>Boiling point :</b>	Not available
<b>Flash point :</b>	> 400 °F (> 204.4 °C) ASTMD-92
<b>Evaporation rate :</b>	Not available
<b>Flammability :</b>	Not available
<b>Flammability limits in air, upper, %</b>	
<b>by volume :</b>	Not available
<b>Flammability limits in air, lower, %</b>	
<b>by volume :</b>	Not available
<b>Vapour pressure :</b>	Not available
<b>Vapour density (air=1) :</b>	Not available
<b>Density :</b>	1 g/cm <sup>3</sup>
<b>Solubility (water) :</b>	Not available
<b>Partition coefficient (n-octanol/water) :</b>	Not available
<b>Auto-ignition temperature :</b>	Not available
<b>Decomposition temperature :</b>	Not available

**10. STABILITY AND REACTIVITY:**

**Chemical stability :** Stable.

**Conditions to avoid :** Heat, flames and sparks.

**Incompatible materials :** Strong acids, alkalis and oxidizing agents. Alkaline metals.  
Alkaline

earth metals. Powdered metals. Halogenated compounds.

**Hazardous decomposition:** Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Hydrogen fluoride. Carbonyl fluoride.

**MATERIAL SAFETY DATA SHEET : ABG400**

**Reference : ABG 400 MSDS**

**11. TOXICOLOGICAL INFORMATION:**

**Acute effects :** Inhalation of decomposition products may cause polymer fume fever, a temporary flu-like illness accompanied by fever, chills, and sometimes cough. Refer to Hazards Identification Section for additional information.

**Carcinogenicity :** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC and NTP.

**12. ECOLOGICAL INFORMATION:**

**Ecotoxicity :** This material is not expected to be harmful to aquatic life.

**13. DISPOSAL CONSIDERATIONS:**

**Disposal instructions :** Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

**14. TRANSPORT INFORMATION:**

**Department of Transportation (DOT) Requirements :** Not regulated as dangerous goods.

**15. REGULATORY INFORMATION:**

**CERCLA (Superfund) reportable quantity :** None  
**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories :** Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance :** No

**Section 311 hazardous chemical :** No

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes

**MATERIAL SAFETY DATA SHEET : ABG400**

**Reference : ABG 400 MSDS**

Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ESL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

**State regulations :** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. OTHER INFORMATION:**

**HMISO ratings**                      Health: 0  
    Flammability: 1  
    Physical hazard: 0

**NFPA ratings**                        Health: 3  
    Flammability: 1  
    Instability: 0

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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