

# Safety Data Sheet

In accordance with 1907/2006/EC, article 31

Date of issue : 16-05-11  
Revision date: 05-03-15

Version: 07 (1505)

Date on which the new version takes effect: 04-02-15

**Product name: ABG400**

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: ABG400

This product is a mixture.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the product: oil for vacuum pump.

Uses advised against: none known.

### 1.3 Details of the supplier of the safety data sheet

Pfeiffer Vacuum SAS  
98 avenue de Brogny  
BP 2069  
74009 Annecy cedex  
France

Tel.:+(33) 04 50 65 77 77

Fax:+(33) 04 50 65 77 89

E-mail: support-service@pfeiffer-vacuum.fr

### 1.4 Emergency telephone number

The emergency telephone number valid in France is the ORFILA number (INRS): + 33 (0)1 45 42 59 59. This number can be used to obtain the contact details of all the French anti-poison centres. These poison control and toxicovigilance centres provide free medical assistance (except for the cost of the call) 24/7. To find out the emergency telephone number valid in your country, please contact the competent local authorities or look up the ECHA website (European Chemicals Agency): [http://echa.europa.eu/help/nationalhelp\\_contact\\_en.asp](http://echa.europa.eu/help/nationalhelp_contact_en.asp)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The physical, health and environmental hazards of the mixture have been assessed and/or tested and the following classification applies.

This mixture does not meet the classification criteria of regulation (EC) 1272/2008 and its amendments.

Physical hazards No classification for physical hazards.

Human health hazards: No classification for human health hazards.

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Environmental hazards: No classification for environmental hazards.

Specific risks : none known.

Most important symptoms: Data unknown.

## 2.2 Label elements

This mixture does not meet the classification criteria.

Additional labelling communicated by the manufacturer:

- Observe the rules of best chemical practices.
- Wash hands after use.
- Keep away from incompatible materials.
- Dispose of unused materials and waste in accordance with the municipal regulations.

## 2.3 Other hazards

None known.

Direct contact with the eyes can cause temporary irritation.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

The components are not dangerous or fall below the legal declaration limits.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Check that the medical staff is aware of the substances involved and takes the appropriate personal protection measures.

Inhalation : if symptoms develop, remove the person affected from the source of exposure and into the fresh air. Consult a doctor immediately.

Contact with skin: Wash with soap and water. Consult a doctor if symptoms are observed. Wash clothing separately before re-use.

Contact with the eyes: Wash the eyes immediately with plenty of water for at least 15 minutes. Consult a doctor immediately.

Ingestion: Due to the physical nature of this substance, it is unlikely that it will be swallowed. If a large quantity is nevertheless swallowed, seek medical treatment quickly. Do not induce vomiting without medical advice. If vomiting occurs naturally, bend the victim forwards to reduce the risk of aspiration. Never give anything by mouth to a victim in a state of unconsciousness or suffering convulsions.

### 4.2 Most important symptoms and effects, both acute and delayed

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## 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

No exceptional risk of fire or explosion

Suitable extinguishing media: Water mist. Foam. Dry chemical powder. Dry chemical agent. Carbon dioxide (CO<sub>2</sub>). In the event of a fire, do not use a water jet as this will spread the fire.

Unsuitable extinguishing agents: In the event of a fire, gases representing a health hazard can be produced.

### 5.2 Special hazards arising from the substance or mixture

In the event of a fire, gases representing a health hazard can be produced.

Carbon monoxide, carbon dioxide and/or hydrocarbons with a low molecular weight. Hydrogen fluoride. Carbonyl fluoride.

### 5.3 Advice for firefighters

In the event of a fire, wear a self-contained breathing apparatus and full protective clothing.

Remove containers from the fire zone if this can be done without any risk. Wear full protective clothing including a helmet, a self-contained positive-pressure or pressure-demand breathing apparatus, protective clothing and a face mask.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-first-aiders:

Prevent all unnecessary personnel from entering the area. Keep people away from the site of spillage/leakage and out of the wind. Do not touch damaged containers or any spilled product unless wearing suitable protective clothing. For information concerning personal protection, see section 8. Observe the precautions indicated in the other sections.

For first-aiders:

Prevent all unnecessary personnel from entering the area. Use the personal protective equipment recommended in Section 8 of the SDS.

### 6.2 Environmental precautions

. Do not release into the environment.

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**Product name: ABG400**

Prevent the product from entering water courses, the sewage system, the subsoil or confined spaces.

## 6.3 Methods and material for containment and cleaning up

Remove using an inert absorbent . Stop the leak if it is safe to do so. Contain the spilled substance if this is possible. Clean the contaminated surface carefully. After having collected the product, rinse the area with water.

Never place the spilled product back in its original container with a view to being reused. Never touch damaged containers or the spilled material. Damage to the outer container may not have had any affect on the inner container. If the inner container is damaged and leaking, cover with a towel or cloth. The product collected and the cleaning cloths shall be disposed of in the containers provided for this purpose.

## 6.4 Reference to other sections

For information concerning personal protection, see section 8. For advice on disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

DO NOT pressurise, cut, heat or weld the containers. Empty containers may contain product residue. Avoid any prolonged or repeated contact between this material and the skin. Do not handle or store close to a naked flame, a heat source or any other source of ignition. Avoid breathing the gases/vapours/mists/smoke. Do not swallow. Do not taste or swallow. Avoid contact with the eyes. Wash thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Keep in a closed container away from incompatible materials. Store in a cool place. Keep away from incompatible materials (see Section 10 of the present SDS).

Store sealed in the original packaging.

Prevent discharge into natural waters, sewage or groundwater.

Pot life: 4 years.

Conditions to be avoided: heat, flames and sparks. Contact with incompatible substances.

Incompatible materials: strong acids, alkalis and oxidising agents. Alkaline metals. Alkaline earth metals. Powdered metals. Halogenated components.

### 7.3 Specific end use(s)

Data unknown.

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**Product name: ABG400**

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

Occupational exposure limits: No values about the ingredients to declare.

Follow the standard surveillance procedures.

### **8.2 Exposure controls**

Ensure good general ventilation (generally 10 air changes per hour). The air change rate should be adapted to the conditions. If appropriate, use closed process, local extractive ventilation or other technologies to maintain exposure levels below recommended exposure limits. If no exposure limits have been defined, maintain exposure levels at an acceptable level.

General information:

Choose protective equipment in accordance with the EC standards in force and in cooperation with the supplier of the protective equipment.

Eye/face protection:

Wear safety goggles or goggles protecting against chemical substances (if there is a risk of splashing).

Skin protection:

- Hand protection: Wear suitable protective gloves in the event of prolonged or repeated contact with the skin.
- Miscellaneous: Wear suitable protective clothing. Wear nitrile, neoprene, PVC or viton gloves.

Respiratory protection:

An air-purifying respirator fitted with an organic vapour cartridge can be used in certain cases when airborne concentrations are expected to exceed the exposure limits or in the event of irritation or the appearance of symptoms.

Thermal hazards:

If necessary, wear protective equipment against heat.

Health and safety precautions:

Do not eat, drink or smoke during use. Wash contaminated clothes before wearing them again. Wash hands carefully after handling.

Exposure controls linked to protection of the environment: The person responsible for environmental management shall be informed if a large product is released.

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**Product name: ABG400**

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state: Semi-solid liquid.

Colour: light yellow with a smooth appearance.

Odour: Slight.

Olfactory threshold: Data unknown.

pH: Data unknown.

Melting point/freezing point: Data unknown.

Initial boiling temperature and boiling range: Data unknown.

Flash point ASTM D-92: Data unknown.

Evaporation rate: Data unknown.

Flammability (solid, gas): Data unknown.

Upper/lower flammability or explosive limits:

- lower flammability limit (%): data unknown.

- upper flammability limit (%): data unknown.

Vapour pressure: Data unknown.

Vapour density: Data unknown.

Relative density: Data unknown.

Solubility: Data unknown.

Partition coefficient for n-octanol/water: Data unknown.

Self-ignition temperature: Data unknown.

Decomposition temperature: Data unknown.

Viscosity: Data unknown.

Explosive properties: Data unknown.

Oxidising properties: Data unknown.

Density: 1.00 g/cm<sup>3</sup>

Kinematic viscosity: 61 cSt ASTM D-445

### 9.2 Other information

Pot life: 4 years

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product is stable and not reactive in normal conditions of use, storage and transport.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known in normal conditions of use.

### 10.4 Conditions to avoid

heat, flames and sparks. Contact with incompatible substances.

### 10.5 Incompatible materials

strong acids, alkalis and oxidising agents. Alkaline metals. Alkaline earth metals. Powdered metals. Halogenated components.

### 10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and/or hydrocarbons with a low molecular weight. Hydrogen fluoride. Carbonyl fluoride.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:

No information available.

Corrosion or irritation of the skin:

due to a partial or complete lack of data, classification is impossible.

Acute eye irritation/corrosion:

due to a partial or complete lack of data, classification is impossible.

Respiratory sensitisation:

due to a partial or complete lack of data, classification is impossible.

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Skin sensitisation:

due to a partial or complete lack of data, classification is impossible.

Mutagenicity of germ cells:

due to a partial or complete lack of data, classification is impossible.

Carcinogenicity:

This product does not contain any carcinogenic or potentially carcinogenic substance according to the CIRC list.  
due to a partial or complete lack of data, classification is impossible.

Toxicity for reproduction:

due to a partial or complete lack of data, classification is impossible.

Specific target organ toxicity following single exposure:

due to a partial or complete lack of data, classification is impossible.

Specific target organ toxicity following repeated exposure:

due to a partial or complete lack of data, classification is impossible.

Aspiration hazard:

Unlikely due to the form of the product.

Information concerning the mixtures and information concerning the substances :

No information available.

Other information:

This product is associated with no known negative effect on human health.

General information:

Professional exposure to the substance or mixture may cause undesirable effects.

Information on likely means of exposure:

- Ingestion: low presumed risk in the event of ingestion.

- Inhalation: is not presumed to have harmful effects in the event of inhalation.



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- Contact with skin: Data unknown.
- Contact with the eyes: knowledge of health risks is incomplete.

Symptoms:

Direct contact with the eyes can cause temporary irritation

## SECTION 12: Ecological information

### 12.1 Toxicity

Should not be harmful to aquatic life.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No other undesirable effect on the environment (for example ozone depletion, potential photochemical formation of ozone, endocrine disruption, potential climate warming) is expected for this component.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Residual waste:

Eliminate the product in accordance with the local regulations in force. Inner linings or empty containers may contain product residues. To dispose of this substance and its container, take all necessary precautions (see: disposal instructions).

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Contaminated packaging:

Empty containers must be transported to an approved site for the treatment of waste for recycling or disposal. Empty containers may contain product residue. Comply with the warnings on the label even when the container is empty.

EU waste code:

The waste code shall be allocated in consultation with the user, the producer and the waste disposal services.

Information / methods of disposal:

Collect and reuse or dispose of in sealed containers in an approved waste collection centre. Destroy in accordance with all applicable regulations.

Special precautions:

Destroy in accordance with all applicable regulations.

## SECTION 14: Transport information

### 14.1 UN number

ADR: Non-hazardous good  
IATA: Non-hazardous good  
IMDG: Non-hazardous good  
RID: Non-hazardous good

### 14.2 UN proper shipping name

ADR: Non-hazardous good  
IATA: Non-hazardous good  
IMDG: Non-hazardous good  
RID: Non-hazardous good

### 14.3 Transport hazard class(es)

ADR: Non-hazardous good  
IATA: Non-hazardous good  
IMDG: Non-hazardous good  
RID: Non-hazardous good

### 14.4 Packing group

ADR: Non-hazardous good  
IATA: Non-hazardous good

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IMDG: Non-hazardous good  
RID: Non-hazardous good

## 14.5 Environmental hazards

ADR: Non-hazardous good  
IATA: Non-hazardous good  
IMDG: Non-hazardous good  
RID: Non-hazardous good

## 14.6 Special precautions for user

For information concerning personal protection, see section 8. For advice on disposal, see section 13.

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

This substance/this mixture shall not be transported loose.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) no. 2037/2000 on substances that deplete the ozone layer, Appendix I: not listed.

Regulation (EC) no. 2037/2000 on substances that deplete the ozone layer, Appendix II: not listed.

Regulation (EC) no. 850/2004 on persistent organic pollutants, Appendix I: not listed.

Regulation (EC) no. 689/2008 concerning the export and import of dangerous chemicals, Appendix I, section 1: not listed.

Regulation (EC) no. 689/2008 concerning the export and import of dangerous chemicals, Appendix I, section 2: not listed.

Regulation (EC) no. 689/2008 concerning the export and import of dangerous chemicals, Appendix I, section 3: not listed.

Regulation (EC) no. 689/2008 concerning the export and import of dangerous chemicals, Appendix V: not listed.

Regulation (EC) no. 166/2066 concerning the creation of a European pollutant release and transfer register, Appendix II: not listed.

Regulation (EC) no. 1907/2006, Article 59(1). Candidate list: not listed.

Authorisations - Regulation (EC) no. 1907/2006, REACH, Appendix XIV Substance subject to authorisation, and its amendments: not listed.

Restrictions on use, Regulation (EC) no. 1907/2006, Appendix XVII, Substances subject to restrictions on marketing and use: Not regulated.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens or mutagens at work: not listed.

Directive 92/85/EEC: on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding: not listed.

Other EU regulations:

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Directive 96/82/EC (Seveso II) the control of major accident hazards involving dangerous substances: not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work: not listed.

Directive 94/33/EC on the protection of young people at work: not listed.

Other regulations : The product is classified and labelled in accordance with the EEC directives or the laws of the country concerned. This safety data sheet is in accordance with the specifications of regulation (EC) no. 1907/2006. The product does not require labelling in accordance with the directives of the EC or the national regulations of the country concerned. This safety data sheet complies with the requirements of Directive 2001/58/EC.

National regulations: comply with the national regulation concerning the use of chemical agents.

## 15.2 Chemical safety assessment

No chemical safety assessment has been conducted.

## SECTION 16: Other information

### Sources

Supplier's safety data sheet

Classification with respect to health and environmental risks is derived from a combination of calculation methods and test data where applicable.

Revisions: This SDS has been fully revised.

### Other

The information contained in the present safety data sheet has been established according to our knowledge on the date of publication of this document. This information is for guidance only to facilitate handling, production, storage, transport, distribution, provision, use and disposal operations in satisfactory safety conditions and cannot be considered as a guarantee or as quality specifications. Furthermore, this information only concerns the product named and, unless otherwise indicated, may not apply if said product is mixed with other substances or be used for any production process.

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