

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

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

1.1 Product identifier

- . Product name: Samtovac
- . CAS no.: 2455-71-2

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

- . Use of the product: Lubricant for vacuum pump
- . Restriction of use: Reserved for professional users.
- . Identified uses:
 - Electronics industry
 - Electrical industry
 - Chemical industry
 - Intended exclusively for industrial use.

1.3 Details of the supplier of the safety data sheet

Supplier:
adixen Vacuum Products
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@adixen.fr

1.4 Emergency telephone number

- . ORFILA number (INRS): + 33 (0)1 45 42 59 59
This number can be called to obtain the contact details of all French centres Anti-poison.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 1)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

. Classification (REGULATION (EC) no. 1272/2008)

Not classified as hazardous according to European regulation (EC) 1272/2008, as amended

. Classification (67/548/EEC, 1999/45/EC)

Not classified as hazardous according to European Directive 67/548/EEC or 1999/45/EC as amended.

2.2 Label elements

. No labelling

2.3 Other hazards

. No labelling.

SECTION 3: Composition/information on ingredients

3.1 Substances

Concentration

Name of the substance:	Concentration
SANTOVAC® 5 polyphenyl ether is a five-ring polyphenyl ether	100%

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 2)

SECTION 4: First aid measures

4.1 Description of first aid measures

- . If inhaled:
 - Consult a doctor if breathing symptoms appear or persist.
- . In the event of contact with the eyes:
 - Rinse carefully and thoroughly with water, keeping the eyelids wide open, for 15 minutes. Do not rub your eyes. Consult an ophthalmologist if redness, pain or visual impairment occurs.
- . In the event of contact with the skin:
 - Wash the contaminated areas with soap and water. Consult a doctor if irritation appears.
- . If swallowed:
 - If the person is conscious, rinse out their mouth with water. Do not try to induce vomiting without medical advice. Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

- . See sub-sections 2.1/2.3

4.3 Indication of any immediate medical attention and special treatment needed

- . Treatment: To obtain advice from a specialist, the doctors should contact the poison control centre.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 3)

SECTION 5: Firefighting measures

5.1 Extinguishing media

- . Suitable extinguishing media:
 - Water spray, CO₂ or chemical foam.

- . Flash Point: 287°C
- . Auto-ignition Temperature: 612°C
- . Fire Point: 348°C

- . Unsuitable extinguishing media
 - no information.

5.2 Special hazards arising from the substance or mixture

- . These products can be carbon oxides (CO, CO₂).

5.3 Advice for firefighters

- . Special firefighting procedures: Firefighters should wear a positive-pressure self-contained breathing apparatus and full fire clothing.
- . Unusual fire and/or risks of explosion: None.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 4)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- . Advice for personnel not trained in emergency situations:
 - Avoid additional spillage or leakage if this is possible without danger.
- . Advice for emergency responders:
 - Ensure suitable ventilation.
 - The material may cause the ground to become slippery.
 - Sweep to avoid the risk of slipping.
 - Small quantities can be absorbed using a cloth.
 - Use an absorbent immediately in the event of large spillages.

6.2 Environmental precautions

- . Do not release into the environment.
- . Do not release into surface water or the sewage system.

6.3 Methods and material for containment and cleaning up

- . Remove using an inert absorbent .
- . Collect in suitable containers for disposal.

6.4 Reference to other sections

Consult the protective measures listed in sections 7 and 8.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 5)

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- . Avoid contact with the skin and eyes.
- . Use personal protective equipment (appropriate gloves, anti-splash goggles, suitable work clothes) in accordance with good industrial hygiene practices. (see section 8).

7.2 Conditions for safe storage, including any incompatibilities

- . The product must be stored in a dry place. Avoid exposure to heat/high temperatures.
- . Store sealed in the original packaging.
- . Avoid release into natural water courses, the sewage system or the soil.

7.3 Specific end use(s)

For more information, please contact: Supplier

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 8)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

8.2 Exposure controls

- . Personal protective measures
 - . Respiratory protection
 - Extraction at source of vapour production.
 - No respiratory protection is required if an extraction at the source of vapour production allows exposure to be maintained within the permissible concentrations.
 - . Hand protection
 - Use gloves which are at least chemical resistant and impermeable (compliant with standard EN 374). Use of this product means that the type of material and thickness of the gloves, as well as the breakthrough time of the constituent material of the gloves, can only be chosen after in-depth study of the workstation, which must produce a clear definition of the conditions of use and as accurate an assessment as possible. Therefore, the choice of gloves should be made with the advice of the personal protective equipment manufacturer. Due to the great variety of exposure conditions, the user must consider the actual service life of a chemical protection glove as much shorter than the permeation time. Be sure to adhere to the manufacturer's advice for use, in particular the minimum thickness and minimum penetration time. This information should not replace the compliance tests performed by the end user. The protection provided by the glove depends on the substance/mixture conditions of use. Wearing gloves is recommended (rubber impermeable to oil in accordance with standard EN 374).
 - . Eye protection
 - Safety goggles with side protection in accordance with standard EN166.
 - . Skin and body protection
 - Provide for skin protection adapted to the conditions of use.
 - . Hygiene measures
 - Wash hands after working with the product. Remove and clean contaminated clothing before re-use. Never eat, drink, or smoke in the workplace.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 7)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

. General information:

Physical state: Liquid

Boiling point: 476° C at 1000 mbar

Pour Point: 4° C

Specific Gravity: 1.195 - 1.201 at 25°C

pH: Neutral

Vapor Density: 15.5 (air = 1)

Solubility: Soluble in acetone and light aromatic solvents; insoluble in water

Appearance: Light yellow essentially clear liquid

9.2 Other information

Remark: No data

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

. Exposure to materials that are highly oxidizing should be avoided.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 8)

10.5 Incompatible materials

- . Oxidising agent.

10.6 Hazardous decomposition products

- . Continued use at temperatures above 425°C may result in the formation of benzene and phenol. If the product is burned, complete combustion produces carbon dioxide and water and partial combustion produces carbon monoxide, smoke, soot and low molecular weight hydrocarbons.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- . Oral - Practically No toxic (Rat LD50 > 34,600 mg/kg)
- . Oral - Practically No toxic (Rabbit LD50 > 34,600 mg/kg)
- . Dermal - Practically No toxic (Rabbit LD50 > 34,600 mg/kg)
- . Inhalation - Practically No toxic (Rat 4-hr LC50 > 47 mg/l. No deaths and no signs of toxicity were observed in animals exposed to 47 mg/l, the highest atmospheric concentration achievable by heating the material to 329°C in this study.)
- . Eye Irritation – No irritating (Rabbit, 0.0/110.0)
- . Skin Irritation – No irritating (Rabbit, 24-hr exposure, 0.0/8.0) I
- . Acute toxicity
No data available.
- . Skin corrosion/skin irritation
No data available.
- . Serious eye damage/eye irritation
No data available.
- . Respiratory or skin sensitisation
No data available.
- . Mutagenicity on germ cells
No data available.
- . Carcinogenicity
No carcinogenic product. Contains less than 3% w/w of DMSO measured by IP-346
- . Toxicity for reproduction
No data available.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 9)

. Specific toxicity to certain target organs — single exposure
No data available.

. Specific toxicity to certain target organs — repeated exposure
No data available.

. Aspiration hazard
No data available.

. Information on likely means of exposure:
Contact with the skin: No data available.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 10)

Contact with eyes: Exposure to oil mists may cause eye irritation.

Ingestion: No data available.

Inhalation: No data available.

SECTION 12: Ecological information

. Probably not harmful for aquatic organisms Use and dispose of in accordance with the rules in force

12.1 Toxicity

.Data not available

12.2 Persistence and degradability

.Data not available

12.3 Bioaccumulative potential

.Result: .data not available

12.4 Mobility in soil

.Data not available

12.5 Results of PBT and vPvB assessment

.Data not available

12.6 Other adverse effects

No harm to the environment is known or foreseeable in normal conditions of use.

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 11)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- . The product and packaging must be disposed of in accordance with the departmental, regional or national regulations.

13.2 Contaminated packaging

- . It must be disposed of in accordance with the local regulations in force.

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

Safety data sheet

In accordance with 1907/2006/EC, article 31

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Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 12)

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

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

Not applicable

Safety data sheet

In accordance with 1907/2006/EC, article 31

Printing date: 26/08/2014

Version: 1E

Revision: 21/03/2014

Product name: Samtovac

(Continued from page 13)

SECTION 15: Regulatory information

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

- . Check compliance with all national and local regulations.

15.2 Chemical safety assessment

- . No data / information available

SECTION 16: Other information

Sources

- . Supplier's safety data sheet

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.