

## Safety Data Sheet

EC No 1907/2006 Art. 31

### 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

#### **ÄRONIX PTFE-Paste Typ PAO**

Grease on the base of Polyalphaolefine (PAO), plus Polytetrafluorethylen

Manufacturer/Supplier:

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### 2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 GHS08

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Void

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies»

Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms GI-1S08

Signal word Danger

Hazard-determining components of labelling: Void

Hazard statements H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Results of PBT and vPvB assessment

PBT:

Not applicable. vPvB:

Not applicable

### 3. Composition/information on ingredients

#### **Chemical characterization: Substances**

Chemical Name	/	% Range	/	Symbol	/	R-sentences	/	CAS	/	NLP-No.
Polymer hydriert		50						68037-01-4		500-183-1
Polytetrafluoroethylene		50						9002-84-0		

### 4. First aid measures

Description of first aid measures

General information

Instantly remove any clothing soiled by the product.

Remove persons from danger-area.

In case of an accident or if you feel unwell, seek immediately medical advice and submit if possible this label or safety data sheet.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact

Wash with water and soap and rinse thoroughly.

If irritation persist, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

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Use eye protection.

After swallowing

Do not induce vomiting. rinse mouth with water Call a doctor immediately.

Information for doctor Danger that product gets into the lungs during gastric irrigation or vomiting.

Danger Danger of pneumonia.

**5. Maßnahmen zur Brandbekämpfung**

Extinguishing media

Suitable extinguishing agents

Carbon dioxide, foam, fire-fighting powders

Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents water-jet

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

COx

see also item 10: Stability and reactivity (dangerous products of decomposition)

Advice for firefighters

Protective equipment

Wear self-contained breathing apparatus.

Wear full protective suit.

Additional information Cool endangered containers with water spray jet.

**6. Accidental release measures**

Personal precautions, protective equipment and emergency procedures Look for sufficient ventilation

Avoid contact of skin with hot spilling out liquids.

Take measurements against static charges.

Wear protective clothing.

Environmental precautions:

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow product to reach ground/soil, water bodies or sewage system.

Inform respective authorities in case product reaches water or sewage system.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

fill in material in labelled and closed containers

Dispose of contaminated material as waste according to item 13.

Reference to other sections

See Section 8 for information an personal protection equipment

**7. Handling and storage**

Handling

Precautions for safe handling

Keep away from ignition sources.

Do not breathe aerosols and spray.

Avoid contact with eyes and skin. Do not eat, drink or smoke at work.

Information about protection against explosions and fires: Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Store tightly sealed in a cool and dry and well ventilated storeroom.

Information about storage in one common storage facility:

Store away from combustible materials.

Do not store with oxidizing agents.

Further information about storage conditions: None

**8. Exposure controls/personal protection**

Additional information about design of technical systems:

Local exhaust ventilation strongly recommended.

Control parameters

Components with critical values that require monitoring at the workplace:

Additional information:

The lists that were valid during the compilation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

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Do not eat, drink or smoke while working.

Wash hands during breaks and at the end of the work.

Resp. Protection: FFP2, or if large amount of dust arise: FFP3

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye Protection:

goggles

keep eyewash bottles available

Body protection: light-weight protective clothing.

**9. Physical and chemical properties**

Information on basic physical and chemical properties

General Information

Appearance:

Form: pasty

Colour: white

Smell: odourless

Change in condition

Melting point/Melting range: not defined

Boiling point/Boiling range: 316° C

Pour point: </= -60° C

Flash point: 223° C

Danger of explosion: not explosive

Steam pressure: at 100°C <1 Pa

Density

Relative density at 15°C 1,22 g/cm3

Solubility/Miscibility:

Water: at 20°C < 0.1 mg/1 Method A6 Di

Segregation coefficient (n-octanol/water): not soluble

6.5 lag POW Method A8 Di

Viscosity:

Kinematic: at 40° C not defined

**10. Stability and reactivity**

Reactivity

Chemical stability

Conditions to be avoided:

No decomposition if used according to specifications.

To avoid thermal decomposition do not overheat.

Possibility of hazardous reactions no dangerous reactions known

Incompatible materials: Strong acids or oxidants.

Hazardous decomposition products:

At high temperatures or in case of fire

Carbon monoxide

**11. Toxicological Information**

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification: Oral: LD50: > 5000 mg/kg (rat)

Dermal: LD50: > 2000 mg/kg (rat)

Inhalative: LC50/4 h: > 5.2 mg/1 (rat)

on the skin: no irritation

on the eye: not irritant

Sensitization: None

Additional toxicological information

The toxicological data of the product were not determined by experiments. The results are deduced from test results of similar products.

harmful

Mist irritates the eyes and the respiratory tract. Aspiration of product into the lungs can cause fatal chemical pneumonitis

**12. Ecological information**

Toxicity

Aquatic toxicity:

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EC50/48h: 190 mg/l (Daphnia magna) LC50/96h: > 1000 mg/l (Fish)

Persistence and degradability abiotic degradation

Additional ecological information:

General notes:

Due to the consistence and the low watersolubility of the product a bioavailability is not probable.

Results of PBT and vPvB assessment PBT:

Not applicable.

vPvB:

Not applicable

**13. Disposal considerations**

Waste treatment methods

Recommendation

Disposal must be made according to official legislations.

Uncleaned packagings:

Recommendation:

Disposal must be made in according to official regulations.

**14. Transport information**

UN "Model Regulation": -

Special precautions for user Not applicable.

Transport/Additional information: Not classified as dangerous goods

**15. Regulatory information**

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

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms GHS08

Signal word Danger

Hazard-determining components of labelling: Void

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Precautionary statements

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National regulations

The product is not dangerous in accordance with EC-Directives and no label is required.

Decree to be applied in case of technical fault:

Ordinance an Accidents, Annexe II, No.: Not applicable

Technical instructions (air): Not applicable

Water hazard class:

water hazard class 1: minimum danger for water

The classification is according to appendix 3 VwVwS of 17.5.1999.

Other regulations, limitations and prohibitive regulations LuV-Label for hazardous materiale

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out

**16. Other information**

Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, our company makes no representations as of the completeness or accuracy thereof information is supplied upon the condition that persons receiving the same will make their own determination as to safety and suitability for their purposes prior to use. In no event will our company be responsible for damages of any nature whatsoever resulting from the use of reliance upon information. No representations of warranties either expressed or implied, or merchantability, fitness for a partical purpose or of any other nature, are made hereunder with respect to information or the product to which the information refers. Department issuing data specification sheet:

Safety and Environmental Protection

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent