

# MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

**ACTIPERS - T1-N**

PRINTING DATE: 01/08/2011

PAGE 1/7

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

**Product identifier**

**Trade name: ACTIPERS-T1-N**

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

**Application of the substance / the preparation:**

**SU11 Manufacture of rubber products**

**SU12 Manufacture of plastics products, including compounding and conversion**

**Details of the supplier of the material safety data sheet**

**Manufacturer/Supplier:**

J & S Technik AG  
Walke 23  
CH 9100 Herisau

**Phone 0041 713 548 403** (Mo-Th 8 a.m. to 5 p.m., Fr 8 a.m. to 4 p.m.)

[www.js-technik-ag.ch](http://www.js-technik-ag.ch)  
[info@js-technik-ag.ch](mailto:info@js-technik-ag.ch)

## 02. Hazards identification

**Classification of the substance or mixture**

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

Not applicable.

**Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the „General Classification guideline for preparations of the EU“ in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**Label elements**

**Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

**Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** No

**vPvB:** No

# MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

**ACTIPERS - T1-N**

PRINTING DATE: 01/08/2011

PAGE 2/7

## 03. Composition/information on ingredients

**Chemical characterization:** Mixtures

**Description:**

CAS: 112926-00-8	Amorphous silica	< 25.0%
EINECS: 231-545-4		

**Dangerous components:**

CAS: 111-46-6	2,2'-oxybisethanol	Xn R22	< 5.0%
EINECS: 203-872-2			

Index number:

603-140-00-6

**Additional information:**

For the wording of the listed risk phrases refer to section 16.

## 04. First aid measures

**Description of first aid measures**

**General information:** Take affected persons out of danger area and lay down.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses, if present and easy to do. Continue rinsing.

**After swallowing:**

Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

## 05. Firefighting measures

**Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**Special hazards arising from the substance or mixture:**

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

In case of fire, the following can be released:

Carbon monoxide

Carbon dioxide

# MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

**ACTIPERS - T1-N**

PRINTING DATE: 01/08/2011

PAGE 3/7

## **Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

### **Additional information:**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## **06. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation

Avoid formation of dust.

Keep away from ignition sources. Wear protective clothing.

### **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

### **Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose of the material collected according to regulations.

### **Reference to other sections:**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## **07. Handling and storage**

### **Handling**

#### **Precautions for safe handling:**

Prevent formation of dust.

Any unavoidable deposit of dust must be regularly removed.

Ensure good ventilation/exhaustion at the workplace.

#### **Information about fire and explosion protection:**

Dust can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

#### **Storage**

##### **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

##### **Information about storage in one common storage facility:**

Store away from oxidizing agents.

**Further information about storage conditions:** Store in dry conditions.

**Specific end use(s):** No further relevant information available.

# MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

**ACTIPERS - T1-N**

PRINTING DATE: 01/08/2011

PAGE 4/7

## 08. Exposure controls/personal protection

### Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

**111-46-6 2,2'-oxybisethanol**

**WEL Long-term value:** 101 mg/m<sup>3</sup>, 23 ppm

### Exposure controls

**Personal protective equipment:**

**General protective and hygienic measures:**

Do not eat or drink while working.

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:**

Not necessary if room is well-ventilated.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves:**

Butyl rubber, BR

Nitrile rubber, NBR

PVC gloves

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Safety glasses

# MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

**ACTIPERS - T1-N**

PRINTING DATE: 01/08/2011

PAGE 5/7

## 09. Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance

<b>Form:</b>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.
<b>pH-value at 20°C:</b>	10.0 +/- 0.5 (5%)
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
<b>Flash point:</b>	Undetermined.
<b>Flammability (solid, gaseous):</b>	Not determined.
<b>Ignition temperature:</b>	400°C
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density at 20°C:</b>	1.25 +/- 0.02 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with</b>	
<b>water:</b>	Insoluble.
<b>Segregation coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not applicable.
<b>Other information:</b>	No further relevant information available.

# MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

**ACTIPERS - T1-N**

PRINTING DATE: 01/08/2011

PAGE 6/7

## 10. Stability and reactivity

### Reactivity

Chemical stability No decomposition if used and stored according to specifications.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

### Possibility of hazardous reactions:

No dangerous reactions known.

### Conditions to avoid:

No further relevant information available.

### Incompatible materials:

Reacts with strong acids.

No further relevant information available.

### Hazardous decomposition products:

No dangerous decomposition products known.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity:

#### LD/LC50 values relevant for classification:

#### 111-46-6 2,2'-oxybisethanol

Oral LD50 12565 mg/kg (Rat)

Dermal LD50 11890 mg/kg (Rabbit)

#### Primary irritant effect:

##### on the skin:

No irritant effect.

##### on the eye:

No irritating effect.

#### Sensitization:

No sensitizing effects known.

#### Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

# MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

ACTIPERS - T1-N

PRINTING DATE: 01/08/2011

PAGE 7/7

## 12. Ecological information

### Toxicity

**Acquatic toxicity:** No further relevant information available.

**Persistence and degradability:** The organic component of the product is biodegradable.

### Behaviour in environmental systems:

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

### Additional ecological information:

**General notes:** Generally not hazardous for water

### Results of PBT and vPvB assessment

**PBT:** No

**vPvB:** No

**Other adverse effects:** No further relevant information available.

## 13. Disposal considerations

### Waste treatment methods

**Recommendation:** Must be specially treated adhering to official regulations.

### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

## 14. Transport information

### Land transport ADR/RID (cross-border)

**ADR/RID class:** Not classified

### Maritime transport IMDG

**IMDG Class:** Not classified

**Marine pollutant:** No

### Air transport ICAO-TI and IATA-DGR:

**ICAO/IATA Class:** Not classified

**Special precautions for user:** Not applicable.

**Transport/Additional information:** Not dangerous according to the above specifications

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

## 15. Regulatory information

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Relevant phrases:

R22 Harmful if swallowed.