

MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

ACTIPERS - T1

PRINTING DATE: 01/08/2011

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

Product identifier

Trade name: ACTIPERS - T1

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

info@js-technik-ag.ch

02. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

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 Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements:

Safety data sheet available on request.

Other hazards:

Results of PBT and vPvB assessment

PBT: No

vPvB: No

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03. Composition/information on ingredients

Chemical characterization: Mixtures

Description:

CAS: 112926-00-8 Amorphous silica < 35.0%

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

Acute Tox. 4, H302

CAS: 1310-73-2

sodium hydroxide

C R35 < 1.0%

EINECS: 215-185-5

Index number: 011-002-00-6

Skin Corr. 1A, H314

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.

After eye contact:

Rinse opened eye for several minutes under running water. Then 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:

CO₂, 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

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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

Wear protective clothing.

Avoid formation of dust.

Keep away from ignition sources.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Pick up mechanically.

Dispose of the material collected according to regulations.

Reference to other sections:

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.

Ensure good ventilation/exhaustion at the workplace.

Any unavoidable deposit of dust must be regularly removed.

Information about fire and explosion protection:

Dust can combine with air to form an explosive mixture.

Protect against electrostatic charges.

Keep ignition sources away - Do not smoke.

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.

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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/m³, 23 ppm

1310-73-2 sodium hydroxide

WEL Short-term value: 2 mg/m³

Exposure controls

Personal protective equipment

General protective and hygienic measures:

Do not eat or drink while working.

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:

Rubber 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

Body protection:

Protective work clothing

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9. Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance

Form:	Powder
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined.
pH-value at 20°C:	9.5 +/- 0.5
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Undetermined.
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	400°C
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density at 20°C:	1.25 +/- 0.02 g/cm ³
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with	
water:	Insoluble.
Segregation coefficient (n-octanol/water):	Not determined.
Viscosity	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information:	No further relevant information available.

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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

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)

1310-73-2 sodium hydroxide

Oral	LD50	2000 mg/kg (Rat)
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Primary irritant effect:

on the skin:

No irritant effect.
(Skin model test EU B.46)

on the eye:

No irritating effect.
(BCOP test OECD Guideline 437)

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.

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12 . Ecological information

Toxicity

Acquatic toxicity:

1310-73-2 sodium hydroxide LC50 (48h) 133 mg/L (Fish)

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:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

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

UN-Number	ADR, IMDG, IATA	Void
UN proper shipping name	ADR, IMDG, IATA	Void
Transport hazard class(es)	ADR, IMDG, IATA Class	Void
Packing group	ADR, IMDG, IATA	Void
Environmental hazards:	Marine pollutant:	No
Special precautions for user		Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:		Not applicable.
Transport/Additional information:		Not dangerous according to the above specifications.
UN „Model Regulation“:		-

15 . Regulatory information

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

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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

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

R22 Harmful if swallowed.

R35 Causes severe burns.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses
par chemin de fer (Regulations Concerning the International Transport of Dangerous
Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent