

# SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

## SAL-T 98

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

<b>Use of the Substance/Preparation</b>	Humidity Standard for Checking the Sensor.
<b>Product code</b>	SAL-T 98 : 1110940
<b>Company/Undertaking Identification</b>	Novasina AG Neuheimstrasse 12 CH-8852 Lachen  +41 55 642 67 67 / <a href="http://www.novasina.com">www.novasina.com</a>
<b>Emergency telephone number</b>	145 / +41 44 251 51 51 (Swiss Toxicological Information Center - 24h)
<b>Revision Date</b>	11.04.2008
<b>Version</b>	1

### 2. Hazards identification



T+ - Very toxic.  
C - Corrosive.  
N - Dangerous for the environment.

Harmful in contact with skin. Toxic if swallowed. Very toxic by inhalation. Causes burns. May cause cancer. May impair fertility. May cause harm to unborn child. May cause sensitisation by inhalation and skin contact. Toxic: danger of serious damage to health by prolonged exposure through inhalation. Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

### 3. Composition/information on ingredients

**Chemical characterization** Aqueous solution of metal salts.

Components		Symbol(s)	R-phrases(s)	CAS	EINECS
Potassium dichromate	> 25%	T+,N,O	R-45-46-60-61-8-21-25-26-34-42/43-48/23-50/53	7778-50-9	231-906-6

## **4. First aid measures**

<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off with soap and water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Obtain medical attention.

## **5. Fire-fighting measures**

<b>Suitable extinguishing media</b>	No special measures required.
<b>Specific hazards</b>	The product is not flammable.
<b>Special protective equipment for firefighters</b>	Standard procedure for chemical fires.

## **6. Accidental release measures**

<b>Personal precautions</b>	No special measures required.
<b>Environmental precautions</b>	Prevent product from entering drains.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Flush with water.

## **7. Handling and storage**

<b>Handling</b>	Avoid contact with skin and eyes.
<b>Storage</b>	Store at room temperature in the original container.

## **8. Exposure controls / personal protection**

<b>Occupational exposure controls</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Personal protection equipment</b>	
<b>Respiratory protection</b>	Breathing apparatus needed only when aerosol or mist is formed.
<b>Hand protection</b>	Protective gloves complying with EN 374. Gloves made of latex. Break through time: 1 h.
<b>Eye protection</b>	Safety glasses with side-shields conforming to EN 166. Eye wash bottle with pure water.

## **9. Physical and chemical properties**

<b>Form</b>	Aqueous solution.
<b>Colour</b>	Orange.
<b>Odour</b>	None.
<b>Physical and chemical properties</b>	pH 3.6 (as aqueous solution). Flash point does not flash. Water solubility: partly soluble Fat solubility: insoluble Density 1.6 g/ml. Melting point/range – not determined. Explosion limits: not applicable.

## **10. Stability and reactivity**

<b>Stability</b>	Hygroscopic.
<b>Conditions to avoid</b>	Exothermic reaction with strong acids.

## **11. Toxicological information**

<b>Acute toxicity</b>	<b>potassium dichromate</b> LD50/dermal/rat = 1170 mg/kg. LD50/oral/rat = 25 mg/kg.
<b>Local effects</b>	Toxic if swallowed.
<b>Long term toxicity</b>	No data is available on the product itself.
<b>Sensitization</b>	May cause sensitisation by skin contact.

## **12. Ecological information**

<b>Ecotoxicity</b>	No data is available on the product itself.
<b>Results of PBT assessment</b>	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
<b>Other adverse effects</b>	highly water contaminating (WGK-D : 3 – self estimation).

## **13. Disposal considerations**

<b>Waste from residues / unused products</b>	Dispose of as hazardous waste in compliance with local and national regulations.
<b>Contaminated packaging</b>	Clean container with water.

## 14. Transport information

<b>ADR/RID</b>	Proper shipping name TOXIC LIQUID, INORGANIC, N.O.S. (Potassium dichromate solution) UN No 3287. Class 6.1. Packing group III. ADR/RID-Labels 6.1. Classification code T4. Risk No. 60. Limited quantities LQ7.
<b>IMO</b>	Proper shipping name Toxic liquid, inorganic, n.o.s. (Potassium dichromate solution) UN No 3287. Class 6.1. Packing group III. ADR/RID-Labels 6.1. Limited quantities 5 L. EmS F-A, S-A.
<b>ICAO</b>	Proper shipping name Toxic liquid, inorganic, n.o.s. * (Potassium dichromate solution) UN No 3287. Class 6.1. Packing group III. Packing instruction (passenger aircraft): 611 (60 L). Packing instruction (LQ): Y611 (2 L). Packing instruction (cargo aircraft): 618 (220 L).

## 15. Regulatory information

<b>Symbol(s)</b>	T+ - Very toxic. C - Corrosive. N - Dangerous for the environment.
<b>R-phrases(s)</b>	R21: Harmful in contact with skin. R25: Toxic if swallowed. R26: Very toxic by inhalation. R34: Causes burns. R45: May cause cancer. R60: May impair fertility. R61: May cause harm to unborn child. R42/43: May cause sensitisation by inhalation and skin contact. R48/23: Toxic: danger of serious damage to health by prolonged exposure through inhalation. R50/53: Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

**S-phrases(s)**  
S7: Keep container tightly closed.  
S24: Avoid contact with skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.  
S60: This material and its container must be disposed of as hazardous waste.

**Regulatory Information**  
Classification according to EC directive.  
Hazardous components which must be listed on the label: ref. chapter 3

## ***16. Other information***

**Recommended use** For industrial application only.

**Text of R phrases mentioned in Section 3**  
R8: Contact with combustible material may cause fire.  
R21: Harmful in contact with skin.  
R25: Toxic if swallowed.  
R26: Very toxic by inhalation.  
R34: Causes burns.  
R45: May cause cancer.  
R46: May cause heritable genetic damage.  
R60: May impair fertility.  
R61: May cause harm to unborn child.  
R42/43: May cause sensitisation by inhalation and skin contact.  
R48/23: Toxic: danger of serious damage to health by prolonged exposure through inhalation.  
R50/53: Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

**Further information** Take notice of the directions of use.

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.