

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

SAL-T 98

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

Use of the Substance/Preparation	Humidity Standard for Checking the Sensor.
Product code	SAL-T 98 : 1110940
Company/Undertaking Identification	Novasina AG Neuheimstrasse 12 CH-8852 Lachen +41 55 642 67 67 / www.novasina.com
Emergency telephone number	145 / +41 44 251 51 51 (Swiss Toxicological Information Center - 24h)
Revision Date	28.10.2011
Version	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

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

5. Fire-fighting measures

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

6. Accidental release measures

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

7. Handling and storage

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

8. Exposure controls / personal protection

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

9. Physical and chemical properties

Form	Aqueous solution.
Colour	Orange.
Odour	None.
Physical and chemical properties	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

Stability	Hygroscopic.
Conditions to avoid	Exothermic reaction with strong acids.

11. Toxicological information

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

12. Ecological information

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

13. Disposal considerations

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

14. Transport information

ADR/RID	Proper shipping name TOXIC LIQUID, INORGANIC, N.O.S. (Potassium dichromate solution) UN No 3287. Class 6.1. Packing group II. ADR/RID-Labels 6.1. Classification code T4. Risk No. 60. Limited quantities LQ7.
IMO	Proper shipping name Toxic liquid, inorganic, n.o.s. (Potassium dichromate solution) UN No 3287. Class 6.1. Packing group II. ADR/RID-Labels 6.1. Limited quantities 5 L. EmS F-A, S-A.
ICAO	Proper shipping name Toxic liquid, inorganic, n.o.s. * (Potassium dichromate solution) UN No 3287. Class 6.1. Packing group II. Packing instruction (passenger aircraft): 654 (5 L). Packing instruction (LQ): Y641 (1 L). Packing instruction (cargo aircraft): 662 (60 L).

15. Regulatory information

Symbol(s)	T+ - Very toxic. C - Corrosive. N - Dangerous for the environment.
R-phrases(s)	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-phrase(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.