

Material Safety Data Sheet

according to Directive 1907/2006/EC (REACH) and 453/2010/EU

Date of issue : 05.03.2015

Version 1.0

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Section 1. Identification of the substance/mixture and of the company

1.1 Product identifier

Product Code	U0-100
Product Name	Test Uranium, Colorimetric method with test strips and reagents 0 – 10 – 25 – 50 – 75 – 100 mg/L UO ₂ ²⁺ Uranalyze® U-react
REACH registration number	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration

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

Relevant identified uses	Product for analytical use
Uses advised against	Not described

1.3 Details of the supplier of the safety data sheet

Company	NOVASSAY SAS Novapôle ZAC de la NAU F-19240 Saint Viance
Telephone	+33 (0)5 55 22 12 24
E-mail adress	contact@novassay.fr

1.4 Emergency telephone number

I.N.R.S	Tel. +33 (0)1 45 42 59 59
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Section 2. Hazard identification

2.1 Classification of the substance(s) or mixture(s)

Directive 1999/45/EC	
Symbols	-
R	-
CLP Directive 1272/2008/EC	
GHS pictograms	-

2.2 Label elements

U-react	
Directive 1999/45/EC Symbols :	do not need labelling as hazardous
CLP Directive 1272/2008/EC GHS pictograms :	do not need labelling as hazardous
No hazard class	

2.3 Other Hazards

Possible hazards from physico-chemical properties

According to our current status of knowledge and experience we state, that this product does not contain any substances, which in accordance with EC regulations 1272/2008/EC, 1907/2006/EC, 1999/45/EC and French regulations for hazardous goods, have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit.

Information pertaining to particular risks to human and possible symptoms

--- none.

Information pertaining to particular risks to the environment

--- none.

Other hazards

--- none.

Section 3. Composition/information on ingredients

3.1 Substances

U-react	
Substance	L-ascorbic acid
Concentration	> 99.00%
Formula	C ₆ H ₈ O ₆
Molecular weight	176.12 g/mol
CAS No	50-81-7
Ec No	200-066-2

3.2 Mixture

Not applicable.

Section 4. First aid measures

4.1 Description of first aid measures

After inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

After skin contact

Wash off with soap and plenty of water.

After eye contact

Flush eyes with water as a precaution.

After swallowing

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Indication of any immediate medical attention and special treatment needed

No additionally recommendations.

Section 5. Firefighting measures

5.1 Extinguishing media

Fire extinguishers appropriate to the fire classification, and if applicable a fire blanket must be available in a prominent location in the work area. All extinguishers like foam, water spray, dry powder or carbon dioxide can be used.

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5.2 Special hazards arising from the substance or mixture

Carbon oxides.

5.3 Advice for firefighters

No, for listed product.

5.4 Additional information

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Regular staff training is necessary indicating hazards and precautions.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

Section 7. Handling and storage

7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

7.2 Conditions for safe storage, including any incompatibilities

The original product package of NOVASSAY allows a safe storage.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

No contains substance with workplace control parameters.

8.2 Exposure control

The highest level of cleanliness must be maintained at the workplace.

8.2.1 Respiratory protection

Only if additional recommendations in test instruction or packing insert.

8.2.2 Hand protection

Yes, gloves according EN 374 (permeation time >30 min - level 2), consist of PVC, natural latex, Neopren, or Nitril (e.g. from Ansell or KCL). Use for short times chemical resistant latex gloves with code EN 374-3 level 1.

8.2.3 Eye protection

Yes, safety glasses according EN 166 with integrated side shields or wrap-around protection or face protection.

8.2.4 Skin protection

Not necessary.

8.2.5 Personal hygiene

Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplaces is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled, and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating, and then apply protective skin cream.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

U-react	
Appearance/Form	crystal/powder (solid)
Colour	white
pH	1.0-2.5 at 176 g/L (at 25 °C)
Melting point	190-194 °C
Water solubility	176 g/L at 20 °C (completely soluble)

9.2 Other safety information

Section 10. Stability and reactivity

10.1 Chemical stability

Stable under recommended storage conditions.

10.2 Conditions to avoid

Not necessary. When indicated in packing insert.

10.3 Incompatible materials

Not necessary. Avoid contact with oxidizing agents.

10.4 Hazardous decomposition products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

Section 11. Toxicological information

11.1 Information on toxicological effects

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

Additional information, RTECS No : C17650000

U-react		
Substance	<i>L-ascorbic acid</i>	CAS No : 50-81-7
LD50 oral rat	11900 mg/kg	

Section 12. Ecological information

12.1 Toxicity

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

U-react		
Substance	<i>L-ascorbic acid</i>	CAS No : 50-81-7
WGK	Class 1	

12.2 Others effects

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Section 13. Disposal considerations

13.1 Waste treatment methods

Waste must be disposed in accordance with EC regulations 2008/98/EC and national/local regulations.

Section 14. Transport information

Not necessary.

Section 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

According 1999/45/EC small amounts of harmful and highly flammable preparations/mixtures have partly/completely exemption from labelling until 25-125 mL or g.

According CLP /GHS inner packages must be only labelled with symbol(s) and product identifier.

15.2 Chemical safety assessment

Not necessary.

Section 16. Other information

16.1 List of R and H phrases

Not necessary.

16.2 Training advice

Regular safety training.

16.3 Recommended restriction on use

Only for professional user.

An individual package of this product or test kit has a moderate hazardous potential.

16.4 Further information

NOVASSAY provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. NOVASSAY makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly NOVASSAY will not be responsible for damages resulting from use of or reliance upon this information. See terms and conditions at the end of our price lists for additional information.

