

MATERIAL SAFETY DATA SHEET (MSDS)

REAGENT Y100

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

Product name REAGENT Y100
Product No. 910-0300
MSDS No. 995-0006
Applications Chemical for research and analysis.
Manufacturer ChemoMetec A/S
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
Sodium chloride	231-598-3	7647-14-5	0.2-2%w/v	-	-
Cationic detergent	204-593-9	6004-24-6	0.1-1%w/v	T	R-23/25, 36/38
Non-ionic detergent		9002-93-1	0.1-1%w/v	Xn	R-22, 36/38
Sodium phosphate, monobasic		7558-80-7	0.01-0.1%w/v	-	R36/37/38

See section 16 for explanations to R-phrases

Composition comments Aqueous solution of inorganic and organic compounds.
Buffered to neutral pH 6.9 to 7.1

3. HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

4. FIRST AID MEASURES

Inhalation Fresh air.
Ingestion Rinse mouth thoroughly. Drink plenty of water. Contact physician if feeling unwell.
Skin Rinse with water.
Eyes Immediately rinse with water. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing media appropriate for surrounding fire.
Special fire fighting procedures	Move container from fire area if it can be done without risk.
Specific hazards	Non-flammable.

6. ACCIDENTAL RELEASE MEASURES

Spill cleanup methods	Avoid contact with skin or inhalation of spillage, dust or vapour. Take up with absorbent material.
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7. HANDLING AND STORAGE

Usage precautions	Avoid spilling, skin and eye contact. Avoid inhalation of vapours.
Storage precautions	Keep ventilated storage and closed containers at room temperature.
Storage criteria	Chemical storage at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Provide adequate general and local exhaust ventilation.
Respirators	If ventilation is insufficient, suitable respiratory protection must be provided.
Protective gloves	For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Rubber or plastic.
Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
Other Protection	Wear appropriate clothing to prevent reasonably probable skin contact.
Hygienic work practices	Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fluid.
Colour	Colourless.
pH-value, conc. solution	approx. 7
Solubility description	Miscible with water.

10. STABILITY AND REACTIVITY

Stability	Normally stable.
Materials to avoid	Water reactive material.
Hazardous decomp. products	No hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

Health warnings	May be Slightly irritating.
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Medical symptoms No specific symptoms noted.

12. ECOLOGICAL INFORMATION

Degradability Quantitative environmental data on this product are not available.

13. DISPOSAL CONSIDERATIONS

Disposal methods Confirm disposal procedures with environmental engineer and local regulations.

14. TRANSPORT INFORMATION

General Not subject to transport regulations.

15. REGULATORY INFORMATION

Risk phrases n/a.

Safety phrases n/a.

EU directives Dangerous Substance Directive 67\548. Directive 2001/58 Directive 1999/45

16. OTHER INFORMATION

Liability disclaims This material is sold for research purposes only. It is not intended for food, drug, household, or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. ChemoMetec A/S shall not be held liable for any damage resulting from handling or contact with the above product.

Explanations to R-phrases in section 2 R-22 Harmful if swallowed. R-36/37/38 Irritating to eyes, respiratory organs and skin. Not entered. R-23/25 Toxic by inhalation and if swallowed.

Information sources The Condensed Chemical Dictionary, Hawley, 11th. edition, 1987. The Dictionary of Substances and their effects (DOSE); 1.ed, 1993 The Merck Index, 11. edition, 1989. Dangerous Properties of Industrial Chemicals, 7th edition, Sax & Lewis, 1988. Handling Chemicals Safely, Stuurgroep-Kemikaarten, 1980. Material Safety Data Sheet, Misc. manufacturers.

Revision comments 1. edition.

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