

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Revision Date 11/12/2019

Version 1.4

SECTION 1. Identification

Product identifier

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

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

Identified uses Reagent for analysis

Details of the supplier of the safety data sheet

Company EMD Millipore Corporation | 400 Summit Drive | Burlington | Massachusetts 01803 | United States of America | General Inquiries: +1 800-645-5476 | Monday to Friday, 9:00 AM to 4:00 PM Eastern Time (GMT-5)
MilliporeSigma is a business of Merck KGaA, Darmstadt, Germany.

Emergency telephone 800-424-9300 CHEMTREC (USA)
+1-703-527-3887 CHEMTREC (International)
24 Hours/day; 7 Days/week

SECTION 2. Hazards identification

GHS Classification

Flammable liquid, Category 4, H227
Corrosive to Metals, Category 1, H290
Skin corrosion, Category 1B, H314
Serious eye damage, Category 1, H318
Specific target organ systemic toxicity - single exposure, Category 3, Respiratory system, H335
Specific target organ systemic toxicity - repeated exposure, Category 2, Inhalation, Respiratory Tract, H373
For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS-Labeling

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

Hazard pictograms



Signal Word

Danger

Hazard Statements

H227 Combustible liquid.

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H373 May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P234 Keep only in original container.

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see supplemental first aid instructions on this label).

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P390 Absorb spillage to prevent material damage.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P406 Store in corrosive resistant stainless steel container with a resistant inner liner.

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

Version 1.4

None known.

SECTION 3. Composition/information on ingredients

Chemical nature Aqueous solution of inorganic and organic compounds.

Hazardous ingredients

Chemical name (Concentration)

CAS-No.

ethanolamine (>= 10 % - < 30 %)

141-43-5

Exact percentages are being withheld as a trade secret.

Ethylenedinitrilotetraacetic acid disodium salt (>= 5 % - < 10 %)

139-33-3

Exact percentages are being withheld as a trade secret.

sodium hydroxide (>= 1 % - < 5 %)

1310-73-2

Exact percentages are being withheld as a trade secret.

SECTION 4. First aid measures

Description of first-aid measures

General advice

First aider needs to protect himself.

Inhalation

After inhalation: fresh air. Call in physician.

Skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

Eye contact

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

Ingestion

After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation!). Call a physician immediately. Do not attempt to neutralize.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Risk of blindness!

Irritation and corrosion, Cough, Shortness of breath

Indication of any immediate medical attention and special treatment needed

Page 3 of 18

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

Version 1.4

No information available.

SECTION 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Water, Foam, Carbon dioxide (CO₂), Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Mixture with combustible ingredients.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapors possible in the event of fire.

Fire may cause evolution of:

nitrogen oxides

Advice for firefighters

Special protective equipment for fire-fighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Remove container from danger zone and cool with water. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders:

Protective equipment see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent and neutralizing material (e.g. Chemizorb® OH⁻, Art. No. 101596). Dispose of properly. Clean up affected area.

Page 4 of 18

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

Version 1.4

SECTION 7. Handling and storage

Precautions for safe handling

Observe label precautions.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

No metal containers.

Tightly closed.

Store at room temperature.

SECTION 8. Exposure controls/personal protection

Exposure limit(s)

Components

Basis	Value	Threshold limits	Remarks
<i>ethanolamine 141-43-5</i>			
ACGIH	Time Weighted Average (TWA):	3 ppm	
	Short Term Exposure Limit (STEL):	6 ppm	
NIOSH/GUIDE	Recommended exposure limit (REL):	3 ppm	
		8 mg/m ³	
	Short Term Exposure Limit (STEL):	6 ppm	
		15 mg/m ³	
OSHA_TRANS	PEL:	3 ppm	
		6 mg/m ³	
Z1A	Time Weighted Average (TWA):	3 ppm	
		8 mg/m ³	
	Short Term Exposure Limit (STEL):	6 ppm	
		15 mg/m ³	

sodium hydroxide 1310-73-2

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

ACGIH	Ceiling Limit Value:	2 mg/m ³
NIOSH/GUIDE	Ceiling Limit Value and Time Period (if specified):	2 mg/m ³
OSHA_TRANS	PEL:	2 mg/m ³
Z1A	Ceiling Limit Value:	2 mg/m ³

Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

Individual protection measures

Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.

Hygiene measures

Immediately change contaminated clothing. Apply skin- protective barrier cream.
Wash hands and face after working with substance.

Eye/face protection

Tightly fitting safety goggles

Hand protection

full contact:

Glove material: natural latex
Glove thickness: 0.6 mm
Break through time: 480 min

splash contact:

Glove material: Nitrile rubber
Glove thickness: 0.11 mm
Break through time: 10 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 706 Lapren® (full contact), KCL 741 Dermatril® L (splash contact).

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Other protective equipment:

Flame retardant antistatic protective clothing.

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

Version 1.4

Respiratory protection

required when vapors/aerosols are generated.

Recommended Filter type: filter ABEK

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are performed according to the instructions of the producer.

These measures have to be properly documented.

SECTION 9. Physical and chemical properties

Physical state	liquid
Color	off-white
Odor	odorless
Odor Threshold	No information available.
pH	11.5 (undiluted)
Melting point	No information available.
Boiling point	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapor pressure	No information available.
Relative vapor density	No information available.
Density	1.06 g/cm ³ at 68 °F (20 °C)
Relative density	No information available.
Water solubility	No information available.

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

Version 1.4

Partition coefficient: n-octanol/water	No information available.
Autoignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	No information available.
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Corrosion	May be corrosive to metals.

SECTION 10. Stability and reactivity

Reactivity

Forms explosive mixtures with air on intense heating.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

Violent reactions possible with:

The generally known reaction partners of water.

Metals, Light metals, Ammonia

Exothermic reaction with:

Acids

Conditions to avoid

Strong heating.

Incompatible materials

Metals

Light metals

Gives off hydrogen by reaction with metals.

Hazardous decomposition products

in the event of fire: See section 5.

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

SECTION 11. Toxicological information

Information on toxicological effects

Likely route of exposure

Eye contact, Skin contact

Target Organs

Respiratory system

Central nervous system

Eyes

Skin

Lungs

Gastro-intestinal system

head

tongue

trachea

Acute oral toxicity

Acute toxicity estimate: > 2,000 mg/kg

Calculation method

Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Acute inhalation toxicity

Acute toxicity estimate: > 20 mg/l; 4 h ; vapor

Calculation method

Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract

Acute dermal toxicity

Acute toxicity estimate : > 2,000 mg/kg

Calculation method

Skin irritation

Mixture causes burns.

Eye irritation

Mixture causes serious eye damage. Risk of blindness!

Specific target organ systemic toxicity - single exposure

May cause respiratory irritation.

Target Organs: Respiratory system

Specific target organ systemic toxicity - repeated exposure

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

Version 1.4

May cause damage to organs through prolonged or repeated exposure if inhaled.

Routes of exposure: Inhalation

Target Organs: Respiratory Tract

Aspiration hazard

Regarding the available data the classification criteria are not fulfilled.

Carcinogenicity

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Further information

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Components

ethanolamine

Acute oral toxicity

LD50 Rat: ca. 1,515 mg/kg
OECD Test Guideline 401

Acute inhalation toxicity

Acute toxicity estimate: 11.1 mg/l; vapor
Expert judgment

Acute dermal toxicity

LD50 Rabbit: 2,692.5 mg/kg
OECD Test Guideline 402

Skin irritation

Rabbit
Result: Corrosive
OECD Test Guideline 404

Eye irritation

Rabbit
Result: Corrosive
OECD Test Guideline 405

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

Sensitization

Maximization Test Guinea pig
Result: negative
(ECHA)

Germ cell mutagenicity

Genotoxicity in vivo
In vivo micronucleus test
Mouse
Result: negative
Method: OECD Test Guideline 474

Genotoxicity in vitro

Ames test
Escherichia coli/Salmonella typhimurium
Result: negative
Method: OECD Test Guideline 471

Mutagenicity (mammal cell test): chromosome aberration.
rat hepatocytes
Result: negative
Method: OECD Test Guideline 473

In vitro mammalian cell gene mutation test
MOUSE LYMPHOMA TEST
Result: negative
Method: OECD Test Guideline 476

Ethylenedinitrilotetraacetic acid disodium salt

Acute oral toxicity
LD50 Rat: 2,800 mg/kg
OECD Test Guideline 401

Acute inhalation toxicity
Acute toxicity estimate: 1.6 mg/l; dust/mist
Expert judgment

Skin irritation

Rabbit
Result: No irritation
OECD Test Guideline 404

Eye irritation

Rabbit
Result: No eye irritation
(ECHA)

Repeated dose toxicity

Rat
male
Inhalation
aerosol
5 d
daily

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

LOAEL: 0.03 mg/l
OECD Test Guideline 412
Lungs

Rat
male and female
Inhalation
dust/mist
90 d
daily
NOAEL: 0.003 mg/l
OECD Test Guideline 413
larynx

Rat
male
Oral
13 Weeks
daily
NOAEL: ≥ 500 mg/kg
(ECHA)

Germ cell mutagenicity
Genotoxicity in vitro
In vitro mammalian cell gene mutation test
MOUSE LYMPHOMA TEST
Result: negative
Method: OECD Test Guideline 476

sodium hydroxide

Skin irritation
Rabbit
Result: Causes burns.
(External MSDS)

Eye irritation
Rabbit
Result: Irreversible effects on the eye
(ECHA)

Sensitization
Patch test: human
Result: negative
(ECHA)

Germ cell mutagenicity
Genotoxicity in vitro
Mutagenicity (mammal cell test): micronucleus.
Result: negative
(Lit.)

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

Ames test
Result: negative
(IUCLID)

SECTION 12. Ecological information

Ecotoxicity

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Components

ethanolamine

Toxicity to fish

semi-static test LC50 *Cyprinus carpio* (Carp): 349 mg/l; 96 h

Analytical monitoring: yes

Directive 67/548/EEC, Annex V, C.1.

Toxicity to daphnia and other aquatic invertebrates

static test EC50 *Daphnia magna* (Water flea): 65 mg/l; 48 h

Analytical monitoring: yes

Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae

static test ErC50 *Pseudokirchneriella subcapitata* (green algae): 2.8 mg/l; 72 h

Analytical monitoring: yes

OECD Test Guideline 201

static test NOEC *Pseudokirchneriella subcapitata* (green algae): 1 mg/l; 72 h

Analytical monitoring: yes

OECD Test Guideline 201

Toxicity to bacteria

EC50 activated sludge: > 1,000 mg/l; 3 h

OECD Test Guideline 209

Toxicity to fish (Chronic toxicity)

flow-through test NOEC *Oryzias latipes* (Orange-red killifish): 1.24 mg/l; 41 d

Analytical monitoring: yes

OECD Test Guideline 210

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
semi-static test NOEC Daphnia magna (Water flea): 0.85 mg/l; 21 d

Analytical monitoring: yes

OECD Test Guideline 202

Biodegradability

> 90 %; 21 d; aerobic
OECD Test Guideline 301A
Readily biodegradable.

Partition coefficient: n-octanol/water

log Pow: -2.3 (25 °C)
OECD Test Guideline 107
Bioaccumulation is not expected.

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

Ethylenedinitrilotetraacetic acid disodium salt

Toxicity to fish

static test LC100 Oncorhynchus mykiss (rainbow trout): 860 mg/l; 24 h (ECHA)

Toxicity to daphnia and other aquatic invertebrates

static test EC50 Daphnia magna (Water flea): 140 mg/l; 48 h
DIN 38412

Toxicity to bacteria

static test EC50 activated sludge: > 500 mg/l; 0.5 h
OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

semi-static test NOEC Daphnia magna (Water flea): 25 mg/l; 21 d
(ECHA)

Partition coefficient: n-octanol/water

log Pow: -4.3 (25 °C)
(experimental)

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

sodium hydroxide

Toxicity to fish

LC50 Gambusia affinis (Mosquito fish): 125 mg/l; 96 h (External MSDS)

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

Version 1.4

Toxicity to daphnia and other aquatic invertebrates
EC50 Ceriodaphnia (water flea): 40.4 mg/l; 48 h (ECHA)

Toxicity to bacteria
EC50 Photobacterium phosphoreum: 22 mg/l; 15 min (External MSDS)

Biodegradability

The methods for determining the biological degradability are not applicable to inorganic substances.

PBT/vPvB: Not applicable for inorganic substances

SECTION 13. Disposal considerations

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14. Transport information

Land transport (DOT)

UN number	UN 1719
Proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, ETHANOLAMINE)
Class	8
Packing group	III
Environmentally hazardous	--

Air transport (IATA)

UN number	UN 1719
Proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, ETHANOLAMINE)
Class	8
Packing group	III
Environmentally hazardous	--

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number EX0996
Product name Extran® 300 Detergent Phosphate-Free

Version 1.4

Special precautions for user no

Sea transport (IMDG)

UN number UN 1719

Proper shipping name CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, ETHANOLAMINE)

Class 8

Packing group III

Environmentally hazardous --

Special precautions for user yes

EmS F-A S-B

SECTION 15. Regulatory information

United States of America

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Components

sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Components

sodium hydroxide

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

DEA List I

Not listed

DEA List II

Not listed

US State Regulations

Page 16 of 18

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

Massachusetts Right To Know

Components

ethanolamine

sodium hydroxide

Pennsylvania Right To Know

Components

ethanolamine

sodium hydroxide

New Jersey Right To Know

Components

ethanolamine

sodium hydroxide

California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Notification status

TSCA:

All components of the product are listed in the TSCA-inventory.

DSL:

All components of this product are on the Canadian DSL

SECTION 16. Other information

Training advice

Provide adequate information, instruction and training for operators.

Full text of H-Statements referred to under sections 2 and 3.

H227	Combustible liquid.
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.

Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

Revision Date 11/12/2019

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Product number

EX0996

Version 1.4

Product name

Extran® 300 Detergent Phosphate-Free

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to appropriate safety precautions. It does not represent a warranty of any product properties and we assume no liability for any loss or injury which may result from the use of this information. Users should conduct their own investigations to determine the suitability of the information.

All rights reserved. Millipore and the "M" Mark are registered trademarks of Merck KGaA, Darmstadt, Germany.