

SAFETY DATA SHEET

PrimeSource Ren 81

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Date issued 10.02.2012

Revision date 11.08.2014

1.1. Product identifier

Product name PrimeSource Ren 81

Article no. 100480

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

Product group Disinfectant.

Use of the substance/preparation Disinfectant.

Relevant identified uses SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)

PC8 Biocidal Products (e.g. Disinfectants, pest control)

PROC10 Roller application or brushing

ERC8A Wide dispersive indoor use of processing aids in open systems

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Downstream user

Company name MultiLine A/S

Office address Alsvej 14, 8940 Randers SV

Postal address Kirkebjergvej 17

Postcode DK-4180

City Sorø

Country Danmark

Tel +45 7010 7700

E-mail psa@multiline.dk

Website <http://www.multiline.dk>

1.4. Emergency telephone number

Emergency telephone Giftlinjen. Besvares på dansk og engelsk hele døgnet.: +45 82 12 12 12

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Xi; R36

67/548/EEC or 1999/45/EC N; R50

2.2. Label elements

Hazard symbol



R-phrases

R36 Irritating to eyes.

S-phrases

R50 Very toxic to aquatic organisms.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Composition on the label

Benzalkonium Chloride: 2,5 %

2.3. Other hazards

Health effect

May cause minor irritation on skin contact. See section 11 for additional information on health hazards.

Environmental effects

The product is very toxic to aquatic organisms. This product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Isotridecanoethoxylate	CAS no.: 69011-36-5 EC no.: 500-241-6 Registration number: 02-2119552461-55-xxxx Synonyms: Alkholethoxylat	Xn; R22,R41 Acute tox. 4; H302; Eye Dam. 1; H318;	1 - 5 %
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	CAS no.: 63449-41-2 EC no.: 264-151-6 Index no.: 612-140-00-5	C; R34 Xn; R21/22 N; R50 Acute tox. 4; H312 Acute tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400	1 - 5 %

Substance comments

<5%: Disinfectant , nonionic surfactant , cationic surfactant .

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General

Remove affected person from source of contamination.

Inhalation

Fresh air. Get medical attention if any discomfort continues.

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

Ingestion

Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

Recommended personal protective equipment for first aid responders

Wear necessary protective equipment. For personal protection, see section 8.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects

As described in section 2.2 and 2.3.

4.3. Indication of any immediate medical attention and special treatment needed

Other Information If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards This product is not flammable. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Personal protective equipment Wear necessary protective equipment. For personal protection, see section 8.
Fire fighting procedures Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal protection measures Wear necessary protective equipment. For personal protection, see section 8.
In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautionary measures Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Cleaning method Smaller quantities of residue may be collected by an absorbent. Wash contaminated area with water.

6.4. Reference to other sections

Other instructions See section 8 and section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Handling Avoid spilling, skin and eye contact. Use work methods which minimise spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible.

7.2. Conditions for safe storage, including any incompatibilities

Storage Store in tightly closed original container. Keep away from food, drink and animal feeding stuffs.

Conditions for safe storage

Storage Stabilit Durability: 36 months.

7.3. Specific end use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Other Information about threshold limit values No data recorded.

DNEL / PNEC

Summary of risk management measures, human Data lacking.

Summary of risk management measures, environment

Data lacking.

8.2. Exposure controls

Recommended monitoring procedures

Not known.

Limitation of exposure on workplace

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory protection

Respiratory protection

Under normal conditions of use respiration protection should not be required.

Hand protection

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Use protective gloves made of: Butyl rubber. Neoprene. Nitrile.

Breakthrough time

Breakthrough time for nitrile rubber, neoprene and butyl rubber is approx. 3 hours.

The recommendation is a qualified estimate based on knowledge of the components. Elastic gloves stretch when used as glove thickness and thus the breakthrough time reduced.

The EN 374-3 standard test is performed at 23°C, but the practical temperature of the glove is approx. 35°C.

The breakthrough time of the different glove guides, is therefor reduced by a factor 3.

Eye / face protection

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Skin protection

Skin protection (except hands)

No special precautions.

Thermal hazards

Thermal hazards

See section 5.

Appropriate environmental exposure control

Environmental exposure controls

See section 6.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Fluid.

Colour

Colourless.

pH (as supplied)

Value: ~ 6,5

Bulk density

Value: ~ 1,00 kg/l.

9.2. Other information

Other physical and chemical properties

Comments

No data recorded.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No data recorded.

10.4. Conditions to avoid

Conditions to avoid No data recorded.

10.5. Incompatible materials

Materials to avoid No data recorded.

10.6. Hazardous decomposition products

Hazardous decomposition products In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data Toxicological tests on the product has not been performed.

Toxicological data for substances

Substance No data available for ingredient(s).

LD50 oral Value: - -

Animal test species: -

Duration: -

Comments: -

Other information regarding health hazards

General Irritating to eyes.

Potential acute effects

Inhalation Aerosols irritate the respiratory system, and may cause coughing and difficulties in breathing.

Skin contact Skin irritation is not anticipated when used normally.

Eye contact Irritating and may cause redness and pain.

Ingestion Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.

Symptoms of Exposure

Symptoms of overexposure No specific symptoms noted.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The product contains a substance which is very toxic to aquatic organisms. Contains a substance (N;R50 or N;R50/53) that falls within the scope of the multiplication factor rule.

Toxicological data for substances

Substance Isotridecanolethoxylate

Acute aquatic, fish Value: 1-10 mg/l

Method of testing: LC50 - OECD TG 203

Species: Cyprinus carpio

Duration: 96h

Acute aquatic, algae Value: 1-10 mg/l

Method of testing: EC50 - OECD TG 201

Species: Desmodesmus subspicatus

Duration: 72h

Acute aquatic, Daphnia Value: 1-10 mg/l

Method of testing: EC50 - OECD TG 202

Species: Daphnia magna

Duration: 48h

Mobility, description Mobility, description: The product is miscible with water. May spread in water systems.

Persistence and degradability The product is easily biodegradable.

Biodegradability	Value: > 60% Test period: 28 d Method of testing: OECD 301B
Chemical oxygen demand (COD)	Value: 2100
Bioaccumulation	Bioaccumulation: Is not expected to be bioaccumulable.
Result of PBT assessment for the substance	Not Classified as PBT/vPvB by current EU criteria.
Substance	Benzalkonium Chloride
Acute aquatic, fish	Method of testing: LC50 Species: Oncorhynchus mykiss Duration: 96 h
Acute aquatic, algae	Value: 0,01-0,1 mg/l Method of testing: IC50 Species: Selanastrum capricornutum Duration: 72 h
Acute aquatic, Daphnia	Value: 0,01-0,1 mg/l Method of testing: EC50 Species: Daphnia Duration: 48 h
Ecotoxicity, other effects	Contains a substance (N;R50 or N;R50/53) that falls within the scope of the multiplication factor rule. The product contains a substance which is toxic to aquatic organisms.
Mobility, description	Mobility, description: The product is miscible with water. May spread in water systems.
Persistence and degradability	The product is easily biodegradable.
Biodegradability	Value: > 60% Test period: 28 d Method of testing: OECD 301D; EØF 92/69, C.4-E.
Distribution coefficient	Value: < 3
Result of PBT assessment for the substance	Not Classified as PBT/vPvB by current EU criteria.

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility The product is miscible with water. May spread in water systems.

12.5. Results of PBT and vPvB assessment

PBT assessment results Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Environmental details, summation The product is very toxic to aquatic organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	Yes
EWC waste code	EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents,

Other Information

disinfectants and cosmetics

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste code applies to product remnants in pure form.

SECTION 14: Transport information

14.1. UN number

ADR	3082
RID	3082
IMDG	3082
ICAO/IATA	3082

14.2. UN proper shipping name

ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzalconiumchloride)
RID	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzalconiumchloride)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzalconiumchloride)
ICAO/IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzalconiumchloride)

14.3. Transport hazard class(es)

ADR	9
Hazard no.	90
RID	9
IMDG	9
ICAO/IATA	9

14.4. Packing group

ADR	III
RID	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

ADR	Danger label for "Environmental hazard" should be used if packagings with more than 5 liters or 5 kilos are transported.
RID	Danger label for "Environmental hazard" should be used if packagings with more than 5 liters or 5 kilos are transported.
IMDG	Danger label for "Environmental hazard" should be used if packagings with more than 5 liters or 5 kilos are transported.
IMDG Marine pollutant	Yes

14.6. Special precautions for user

EmS	F-A, S-F
Special safety precautions for user	Not relevant.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information.

Additional information.	Not relevant.
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SECTION 15: Regulatory information

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

EEC-directive	Regulation (EC) No 648/2004 of the European Parliament and of the Council
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Other Label Information	of 31 March 2004 on detergents. Dangerous Preparations Directive 1999/45/EC. Dangerous Substance Directive 67/548/EEC. For professional users only.
Legislation and regulations	The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Miljøministeriets bekendtgørelse nr. 1309 af 18. December 2012 om affald. EH40/2005, Workplace exposure limits 2005, with amendments.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant R-phrases (under headings 2 and 3).	R36 Irritating to eyes. R34 Causes burns. R50 Very toxic to aquatic organisms. R21/22 Harmful in contact with skin and if swallowed. R22 Harmful if swallowed. R41 Risk of serious damage to eyes.
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage. H302 Harmful if swallowed. H312 Harmful in contact with skin. H400 Very toxic to aquatic life. H314 Causes severe skin burns and eye damage.
Training advice	No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Information which has been added, deleted or revised	Change to Sections: 1, 3, 15, 16.
Version	2
Responsible for safety data sheet	MultiLine A/S
Prepared by	MP