



SAFETY DATA SHEET R-CLEAN OVENMATIC

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

1.1. Product identifier

Product name R-CLEAN OVENMATIC
Product number 500001210071

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

Identified uses Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier Qlean-tec B.V.
Rendementsweg 24
3641 SL Mijdrecht
+31 (0)297-274390
+31 (0)297-272442
www.qleantec.com
marketing@qleantec.com

1.4. Emergency telephone number

Emergency Contact Number (Office Hours) (0) 297 274390 (08:00 – 17:00)
Emergency Contact Number (Outside Office Hours) (0)30 - 274 88 88

Sds No. 45381

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards

Not Classified

Human health

Causes severe burns.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements

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H314 Causes severe skin burns and eye damage.

Precautionary statements

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 or doctor.
 P501 Dispose of contents/container in accordance with national regulations.

Contains

SODIUM HYDROXIDE

Detergent labelling

5 - < 15% polycarboxylates, < 5% phosphonates

Supplementary precautionary statements

P260 Do not breathe vapour/spray.
 P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P363 Wash contaminated clothing before reuse.

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

SODIUM HYDROXIDE	10-30%
CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-2119457892-27	
Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290	C; R35
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	

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****Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention.

Skin contact

Remove contaminated clothing and rinse skin thoroughly with water. Wash contaminated clothing before reuse. Get medical attention immediately.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Upper respiratory irritation.

Ingestion

This product is strongly corrosive. May cause burns in mucous membranes, throat, oesophagus and stomach. Entry into the

R-CLEAN OVENMATIC

lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact

This product is strongly corrosive. Causes severe burns.

Eye contact

Severe irritation, burning and tearing.

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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire. Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

When heated and in case of fire, corrosive vapours/gases may be formed.

Hazardous combustion products

During fire, toxic gases (CO, CO₂) are formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid inhalation of vapours and contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Protect from light. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from the following

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materials: Acids.

Storage class

Corrosive storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ingredient comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Wear protective gloves. Butyl rubber. The selected gloves should have a breakthrough time of at least 8 hours. 0,5 mm Nitrile rubber. The selected gloves should have a breakthrough time of at least 8 hours. 0,35 - 0,4 mm

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Wash contaminated clothing before reuse. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Use respiratory equipment with gas filter, type B.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Colourless.

Odour

Odourless.

Odour threshold

No specific test data are available.

pH

pH (diluted solution): >12 1%

Melting point

No specific test data are available.

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Initial boiling point and range

100°C @

Flash point

The product is not flammable.

Evaporation rate

No specific test data are available.

Flammability (solid, gas)

No specific test data are available.

Upper/lower flammability or explosive limits

No specific test data are available.

Vapour pressure

No specific test data are available.

Vapour density

No specific test data are available.

Relative density

1,222 @ 20°C

Solubility(ies)

Completely soluble in water.

Partition coefficient

No specific test data are available.

Auto-ignition temperature

No specific test data are available.

Decomposition Temperature

No specific test data are available.

Viscosity

<10 mPa s @ 20°C

Explosive properties

Not considered to be explosive.

Oxidising properties

Does not meet the criteria for classification as oxidising.

9.2. Other information**Other information**

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The following materials may react with the product: Strong acids. Oxidising materials.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Does not decompose when used and stored as recommended.

10.4. Conditions to avoid

Avoid freezing. Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials**Materials to avoid**

Strong acids. Chemically-active metals. Strong oxidising agents.

R-CLEAN OVENMATIC

10.6. Hazardous decomposition products

Very corrosive gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Animal data

Corrosive.

Extreme pH

≥ 11.5

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro

Does not contain any substances known to be mutagenic.

Carcinogenicity

Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility

Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

Inhalation

Corrosive to the respiratory tract.

Ingestion

May cause discomfort if swallowed. May cause burns in mucous membranes, throat, oesophagus and stomach. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact

Burning pain and severe corrosive skin damage.

Eye contact

Corrosive. May cause chemical eye burns.

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Toxicological information on ingredients.

SODIUM HYDROXIDE

Inhalation

Dust is severely irritating to the upper respiratory system. Dust may irritate the respiratory system. May cause coughing and difficulties in breathing.

Ingestion

May cause burns in mucous membranes, throat, oesophagus and stomach. Causes burns.

Skin contact

May cause serious chemical burns to the skin. Corrosive. Prolonged contact causes serious tissue damage.

Eye contact

Causes burns. A single exposure may cause the following adverse effects: Corneal damage. Visual disturbances, including blurred vision.

SECTION 12: Ecological Information

Ecotoxicity

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

Ecological information on ingredients.

SODIUM HYDROXIDE

Ecotoxicity

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

Not considered toxic to fish.

Ecological information on ingredients.

SODIUM HYDROXIDE

Acute toxicity - fish

LC₅₀, 96 hours: 33-189 mg/l mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 40-240 mg/l mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability

There are no data on the degradability of this product.

Ecological information on ingredients.

SODIUM HYDROXIDE

Persistence and degradability

The product contains only inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

No specific test data are available.

Ecological information on ingredients.

SODIUM HYDROXIDE

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility

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The product is soluble in water.

Ecological information on ingredients.

SODIUM HYDROXIDE

Mobility

The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

SODIUM HYDROXIDE

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Not available.

Ecological information on ingredients.

SODIUM HYDROXIDE

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	3266
UN No. (IMDG)	3266
UN No. (ICAO)	3266
UN No. (ADN)	3266

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)
Proper shipping name (IMDG)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)
Proper shipping name (ICAO)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)
Proper shipping name (ADN)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

R-CLEAN OVENMATIC**Transport labels****14.4. Packing group**

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	2
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

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) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Guidance

Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information**Revision comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date	24/03/2015
Revision	8
Supersedes date	09/07/2013

Hazard statements in full

H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.