

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 07.04.2009

Revision: 16.03.2009

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name: 6606 Osmo Gard Clean
Application of the substance / the preparation Surface cleanser
Surface active agent

Information in case of emergency:

emergency phone no. Berlin (24h): +49 (0) 30 / 19240

2 Hazards identification

Hazard description: Xi Irritant
N Dangerous for the environment

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 36/38 Irritating to eyes and skin.
R 50 Very toxic to aquatic organisms.
To avoid risks for humans and environment obtain instructions.

Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Additional information: The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

3 Composition/information on ingredients

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 68424-85-1 EINECS: 270-325-2	N-Alkyl - (C12-16) - N-benzyl - N,N - dimethyl ammonium chlorid C, Xn, N; R 21/22-34-50	2.5-10%
CAS: 162063-19-6 NLP: 500-675-6	C13-C15 Oxalalkoholethersulfat, Na-Salz Xi; R 36/38	≤ 2.5%

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Regulation (EC) No 648/2004 on detergents / Labelling for contents

cationic surfactants	5 - 15%
anionic surfactants	< 5%

Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information:	Immediately remove any clothing soiled by the product.
After inhalation:	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
After skin contact:	In case of unconsciousness place patient stably in side position for transportation. Immediately wash with water and soap and rinse thoroughly.
After eye contact:	If skin irritation continues, consult a doctor. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	If swallowed, seek medical advice immediately and show this container or label.

5 Fire-fighting measures

Suitable extinguishing agents:	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents:	Water with full jet
Protective equipment:	Mouth respiratory protective device.

6 Accidental release measures

Person-related safety precautions:	Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection:	Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Ensure adequate ventilation.

7 Handling and storage

Handling:	
Information for safe handling:	Keep receptacles tightly sealed. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

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Information about fire - and explosion protection: No special measures required.

Storage:
Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:
General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

Respiratory protection: Use suitable respiratory protective device only when aerosol or mist is formed.

Protection of hands: Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: Nitrile rubber, NBR

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles

9 Physical and chemical properties**General Information**

Form: Fluid
Colour: Green

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Odour:	Characteristic
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100°C
Flash point:	Not applicable.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Vapour pressure at 20°C:	23 hPa
Density at 20°C:	0.999 g/cm ³
Solubility in / Miscibility with water:	Fully miscible.
pH-value at 20°C:	7
Viscosity:	
Dynamic at 20°C:	23 mPas

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Dangerous reactions	No dangerous reactions known.
Dangerous decomposition products:	No dangerous decomposition products known.

11 Toxicological information**Acute toxicity:****LD/LC50 values relevant for classification:****68424-85-1 N-Alkyl - (C12-16) - N-benzyl - N,N - dimethyl ammonium chlorid**

Oral	LD50	600 mg/kg (rat)
Dermal	LD50	1560 mg/kg (rat)

Primary irritant effect:**on the skin:** Irritant to skin and mucous membranes.**on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological****information:** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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Irritant

12 Ecological information**Ecotoxicological effects:****Acquatic toxicity:****68424-85-1 N-Alkyl - (C12-16) - N-benzyl - N,N - dimethyl ammonium chlorid**

EC50 / 48h	0.016 mg/l (daphnia)
IC50 / 72h	0.02 mg/l (selenastrum capricornutum)
LC50 / 96h	0.85 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

Remark: Very toxic for fish**Behaviour in sewage processing plants:****68424-85-1 N-Alkyl - (C12-16) - N-benzyl - N,N - dimethyl ammonium chlorid**

EC10 | 4 mg/l (activated sludge organism)

General notes:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations**Product:**

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

07 06 01	aqueous washing liquids and mother liquors
15 01 10	packaging containing residues of or contaminated by dangerous substances

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.**14 Transport information****Land transport ADR/RID (cross-border)****ADR/RID class:** 9 Miscellaneous dangerous substances and articles.

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Danger code (Kemler):	90
UN-Number:	3082
Packaging group:	III
Hazard label:	9
Description of goods:	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl - (C12-16) - N-benzyl - N,N - dimethyl ammonium chlorid)

Maritime transport IMDG:	
IMDG Class:	9
UN Number:	3082
Marine pollutant:	No
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl - (C12-16) - N-benzyl - N,N - dimethyl ammonium chlorid)

Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA Class:	9
UN/ID Number:	3082
Label	9
Packaging group:	III
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl - (C12-16) - N-benzyl - N,N - dimethyl ammonium chlorid)

15 Regulatory information

Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product: Xi Irritant
N Dangerous for the environment

Risk phrases: 36/38 Irritating to eyes and skin.
50 Very toxic to aquatic organisms.

Safety phrases: 2 Keep out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
23 Do not breathe fumes/aerosol.
25 Avoid contact with eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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- 46 If swallowed, seek medical advice immediately and show this container or label.
- 57 Use appropriate container to avoid environmental contamination.
- 60 This material and its container must be disposed of as hazardous waste.

Special labelling of certain preparations:

To avoid risks for humans and environment obtain instructions.

National regulations:**Marking in accordance with biocide guideline 98/8/EG**

Use biocides safely. Always read the label and product information before use.

68424-85-1 | N-Alkyl - (C12-16) - N-benzyl - N,N - dimethyl ammonium chlorid

95.0 g/kg

GISBAU-Code**GISCODE: GD 30****16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: product safety department**Contact:** Hr. Dr. Starp

*** Data compared to the previous version altered.**

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