

SAFETY DATA SHEET

GREEN VIKING SANITARY LIQUID

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

1.1. Product identifier

Product name GREEN VIKING SANITARY LIQUID
Synonyms, trade names Sanitary Liquid

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

Applications Sanitary Liquid

1.3. Details of the supplier of the safety data sheet

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Manufacturer Wilhelmsen Chemicals AS
P.Box 15 , N-3141 Kjøpmannskjær, Norway
Tel: +47 33 35 15 00
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chemicals@wilhelmsen.com

1.4. Emergency telephone number

Emergency telephone number Norway: Giftinformasjonssentralen - 24 hour - Tel.: +47 22591300 Wilhelmsen Chemicals AS Tel.: +47 33 3515 00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Harmful if swallowed. Risk of serious damage to eyes.

Symbol(s)



Contains Kalsiumnitrat tetrahydrat

2.2. Label elements

Risk phrases R-22 Harmful if swallowed.
R-41 Risk of serious damage to eye.

Safety phrases S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-37/39 Wear suitable gloves and eye/face protection.
S-46 If swallowed seek medical advice immediately and show this container or label.
S-2 Keep out of reach of children.

CLP

Hazard pictograms



Hazard statements	Acute Tox. 4: H302 Harmful if swallowed. Eye Dam. 1: H318 Causes serious eye damage.
Precautionary statements	P280 Wear protective gloves/protective clothing/eye protection/face protection. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P305 IF IN EYES: P351 Rinse cautiously with water for several minutes. P338 Remove contact lenses, if present and easy to do. Continue rinsing. P301 IF SWALLOWED: P312 Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth.
2.3. Other hazards	
Meets the criteria for vPvB	No.
Meets the criteria for PBT	No.
Other hazards which do not contribute to classification	No known risks.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Ingredients

Name	EC No.	CAS No.	Content	Symbol	Classification
Kalsiumnitrat tetrahydrat	233-332-1	13477-34-4	30-60 %	Xi ,Xn	R-22, R-41

CLP

Name	REACH No.	Content	Symbol	Classification	CAS No.
Kalsiumnitrat tetrahydrat	01-21194950 93-35	30-60 %	GHS07, GHS05	Acute Tox. 4: H302, Eye Dam. 1: H318	13477-34-4

Section 16 contains detailed classification phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Rinse with water. Contact physician if discomfort continues.

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

Specific first aid treatment No specific treatment required, see section 4.3.

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

Inhalation Rinse nose and mouth with water. Fresh air and rest

Ingestion Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions. To hospital if larger quantity has been consumed.

Skin Wash skin thoroughly with soap and water.

Eyes Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if irritation persists. Temperate water should be used when flushing eyes for 15 minutes.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguishing media Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards Chemical/product is not flammable.

5.3. Advice for firefighters

Protective measures in fire Firefighters exposed to combustion gases/decomposition products should use a

respiratory protective device.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental protection Do not contaminate water sources or sewer.

6.3. Methods and material for containment and cleaning up

Spill cleanup methods Limit spread of spilled material. Inform Authorities if large amounts are involved. Wear necessary protective equipment. Absorb with inert, damp, non-combustible material, then flush area with water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid inhalation of vapours. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep in cool, dry, ventilated storage and closed containers.

7.3. Specific end use(s)

Specific use(s) Contact supplier for more information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Protective equipment



8.2. Exposure controls

Respirators Normally there is no need for respiratory equipment. Use respiratory protection if risk of creation of nitrous gases; when heating, contact with reduction agents eg. acids etc.

Protective gloves Chemical resistant gloves required for prolonged or repeated contact.

Eye protection Wear splash proof eye goggles to prevent any possibility of eye contact.

Other Protection Provide eyewash station.

Hygienic work practices Promptly remove any clothing that becomes wet or contaminated.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Fluid.		
Colour	Water-white. or green.		
Odour	Pleasant, agreeable. Perfume. or without perfume.		
Solubility description	Miscible with water.		
Density (g/cm³)	1,420 - 1,435	Temperature (°C)	20

pH-value, conc. solution 5-7

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Normally stable. When heated water will evaporate. Further heating may produce nitrous gases.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomp. products Nitrous gases (NO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxic dose - LD 50: > 500(Kalsiumnitrat) mg/kg (oral rat)

Toxic dose - LD 50 (skin): > 2000 mg/kg (skin rat)

Inhalation Vapour may irritate respiratory system or lungs.

Ingestion The body may absorb nitrate from stomach/intestine when swallowing product. Symptoms as headache, dizziness, vomiting and convulsions may occur..

Skin Liquid may irritate skin. May cause itching, stinging pain, redness and wounds.

Eyes Irritating to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological data Acute toxicity. LC50 96 hours fish 1378 mg/l IUCLID 5 (Ferskvann)
Acute toxicity. EC50 48 hours Daphnia 490 mg/l IUCLID 5 (Ferskvann)

Acute fish toxicity Large amounts may cause increased algae growth.

12.2. Persistence and degradability

Components in this product are readily biodegradable (ref. OECD-test).

12.3. Bioaccumulative potential

This product do not contain bioaccumulative components.

12.4. Mobility in soil

Mobility Dissolves in water.

12.5. Results of PBT and vPvB assessment

PTB/vPvB Component(s) is not identified as PBT or vPvB substance(s).

12.6. Other adverse effects

Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.

SECTION 14: Transport information

ROAD TRANSPORT (ADR):**14.1. UN number****14.2. UN proper shipping name****14.3. Transport hazard class(es)**

ADR class	Not dangerous according to ADR.
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RAIL TRANSPORT (RID):

RID class no.	N/A
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SEA TRANSPORT (IMDG):

IMDG class	N/A
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AIR TRANSPORT (IATA-DGR / ICAO-TI):

IATA/ICAO class	N/A
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14.4. Packing group**14.5. Environmental hazards****14.6. Special precautions for user****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 directives	Council Directive 67/548/EEC Classification, packing and labelling of dangerous substances with Anx.1, List of dangerous subst. L 258A, Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations. Regulation 1272/2008/EEC. Classification, labelling and packing of dangerous substances and preparations.
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15.2. Chemical safety assessment

SECTION 16: Other information

Explanations to R-phrases in section 3	R-22 Harmful if swallowed. R-41 Risk of serious damage to eye.
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Explanations to classification in section 3	H302 Harmful if swallowed. H318 Causes serious eye damage.
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*** Information revised since the previous version of the SDS**

User notes:	The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of the sellers knowledge or has been generated to be the best of our ability without extensive research beyond our understanding or economic feasibility. Seller makes no warranty whatsoever, expressed, implied or of merchantability of the product, or of result obtained from this report. If data do not meet your needs, consult your supplier before using this product. Seller assumes no responsibility for injury to buyer or third party or for any damage to any property. Buyer assumes all such risks. This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH. This Safety Data Sheet has been prepared in accordance with Directive 453/2010/EU.
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Information sources	Material Safety Data Sheet, Misc. manufacturers.
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Signature	Kjærsti Illebrekke
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