

Safety Data Sheet

Sanitary liquid

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : Sanitary liquid
 Product code : 158037, 158040, 158041 (NOBB nr: 22452882, 42917772, 42917783)

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

Relevant identified uses

Intended for general public
 Main use category : Consumer use
 Use of the substance/mixture : To all types of dry toilets, biological toilets and outhouses.
 Function or use category : Sanitary cleaner

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Nordic Garden AS
 Borgeskogen 4
 N-3160 Stokke - Norway
 T +47 982 18 455
firmapost@nordicgarden.no - www.nordicgarden.no

Manufacturer

Wilhelmsen Chemicals AS
 Kirkeveien 578
 N-3143 Kjøpmannskjær - Norway
 T +47 33 35 15 00 - F +47 33 35 14 40
chemicals@wilhelmsen.com

Contact person : Thomas Henriksen

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302
 Eye Dam. 1 H318

Full text of H statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Danger
 Hazardous ingredients : Calcium nitrate tetrahydrate
 Hazard statements (CLP) : H302 - Harmful if swallowed.
 H318 - Causes serious eye damage.
 Precautionary statements (CLP) : P102 - Keep out of reach of children.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves, eye protection.
 P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 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 doctor, a POISON CENTER.
 P501 - Dispose of contents and container to a hazardous or special waste collection point.

EUH-statements : EUH208 - Contains (R)-p-mentha-1,8-diene, d-limonene. May produce an allergic reaction.

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium nitrate tetrahydrate	(CAS-No.) 13477-34-4 (EC-No.) 603-865-8 (REACH-no) N/A	30 - 60	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
(R)-p-mentha-1,8-diene, d-limonene (Note C)	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119529223-47	0.01 - 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : General first aid, rest, warmth and fresh air.
 First-aid measures after inhalation : Get medical advice/attention if you feel unwell. Remove the victim into fresh air.
 First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention.
 First-aid measures after eye contact : Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
 First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

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

Symptoms/effects after inhalation : May cause respiratory irritation.
 Symptoms/effects after skin contact : May cause skin irritation.
 Symptoms/effects after eye contact : Causes serious eye damage.
 Symptoms/effects after ingestion : Harmful if swallowed. Ingestion may cause nausea, vomiting and diarrhea.
 Chronic symptoms : No effects known.

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

In all cases of doubt, or when symptoms persist, seek medical attention.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Dry chemical, CO₂, or water spray or regular foam.
 Unsuitable extinguishing media : No specific fire fighting procedure given.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Non-flammable.
 Hazardous decomposition products in case of fire : High temperatures generate: Carbon dioxide (CO₂). Carbon monoxide (CO). Irritating gases/vapours/fumes.

5.3. Advice for firefighters

Firefighting instructions	: No specific fire fighting procedure given.
Protection during firefighting	: Do not enter fire area without proper personal protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

General measures	: Wear appropriate personal protective equipment - see Section 8. Avoid contact with skin and eyes.
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For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel. Evacuate area.
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For emergency responders

Protective equipment	: Equip cleanup and emergency crew with proper protection.
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6.2. Environmental precautions

Prevent discharge of larger quantity to drain. Collect spillage. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Hose down area with water. Take up large spills with pump or vacuum and finish with dry chemical absorbent.
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6.4. Reference to other sections

For further information refer to section 13. Exposure controls and personal protection. See Heading 8.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Precautions for safe handling	: Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Ensure good ventilation of the work station.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Protect against frost. Protect from sunlight. Keep out of reach of children. Store locked up.
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7.3. Specific end use(s)

No additional data.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

No additional information available

8.2. Exposure controls

Appropriate engineering controls	: Ensure that there is a suitable ventilation system.
Personal protective equipment	: In case of splash hazard: safety glasses. Gloves.
Hand protection	: Wear suitable gloves. Neoprene or nitrile rubber gloves. Layer thickness : >0,10mm. Breakthrough time : >240 min. STANDARD EN 374.
Eye protection	: Chemical goggles or safety glasses. STANDARD EN 166.
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Not necessary under the recommended storage and handling conditions.



Other information	: Do not eat, drink or smoke during use. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless. Green.

Odour	: Perfume.
Odour threshold	: No data available
pH	: 5 - 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: ≈ 100 °C
Flash point	: > 60 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.42 - 1.435 g/cm ³
Solubility	: In water, material soluble.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non flammable.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No incompatible groups noted.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

None to our knowledge.

10.4. Conditions to avoid

None to our knowledge.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

No decomposition if stored and used normally.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Acute toxicity : Oral: Harmful if swallowed.

ATE CLP (oral)	833.333 mg/kg bodyweight
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Calcium nitrate tetrahydrate (13477-34-4)	
LD50 oral rat	500 mg/kg (OECD 423 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met pH: 5 - 7
Serious eye damage/irritation	: Causes serious eye damage. pH: 5 - 7
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met

Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)	
LC50 fish 1	0.7 mg/l 96h (Pimephales promelas)
EC50 Daphnia 1	0.73 mg/l 48h (Daphnia pulex)

12.2. Persistence and degradability

Sanitary liquid	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Sanitary liquid	
Bioaccumulative potential	Not potentially bioaccumulable.

(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)	
Bioconcentration factor (BCF REACH)	660.69
Log Pow	4.23

12.4. Mobility in soil

Sanitary liquid	
Ecology - soil	In water, material soluble.

12.5. Results of PBT and vPvB assessment

Sanitary liquid	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Other adverse effects : None to our knowledge.
 Additional information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
 Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
 Additional information : European List of Waste (LoW) code.
 Ecology - waste materials : Avoid release to the environment.
 European List of Waste (LoW) code : 20 01 29* - detergents containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

ADR	IMDG	IATA	ADN	RID
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

Rail transport

No data available

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

Not applicable

SECTION 15: REGULATORY INFORMATION

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

EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Detergent Regulation (648/2004/EC).

National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Data sources : EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

Other information : None.

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Version : 1.0

Signature : K. Dyreskog

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3

Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains (R)-p-mentha-1,8-diene, d-limonene. May produce an allergic reaction.

The information in this safety data sheet is based on information from the manufacturer/supplier, present european and national legislation, and presupposes that the product is used within the specified area of application.