



# SAFETY DATA SHEET

## Valhall GreenGel



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 18.05.2016

Revision date 20.09.2016

#### 1.1. Product identifier

Product name Valhall GreenGel

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

Function Surface cleaning of oxidized (rust), salts, limestone algae etc.

Product group Cleaning agent

Uses advised against Corrodes galvanized and zinc metallized metal and surfaces treated with zincethylsilicate.

The chemical can be used by the general public

Yes

#### 1.3. Details of the supplier of the safety data sheet

Company name Valhall NGP as

Postal address Leirvikåsen 45

Postcode 5179

City Godvik

Country Norway

Tel +47 56126100

E-mail post@valhallngp.no

Website <http://www.valhallngp.no>

Enterprise no. 916488890MVA

#### 1.4. Emergency telephone number

Emergency telephone Norwegian Poisoning Alarm Telephone:22 59 13 00  
Ambulance:113

### SECTION 2: Hazards identification

#### 2.1. Classification of substance or mixture

Classification according to C

67/548/EEC or 1999/45/EC R36

Classification according to Eye Irrit. 2; H319

Regulation (EC) No 1272/2008

[CLP/GHS]

#### 2.2. Label elements

#### Hazard Pictograms (CLP)



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P264 Wash thoroughly after handling. P280 Wear protective gloves / protective clothing / eye protection / face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice / attention.

### 2.3. Other hazards

PBT / vPvB	No PBT/vPvB
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents
Citric Acid	CAS no.: 5949-29-1	R36	8 - 12 %
	EC no.: 201-069-1	Xi	
	Registration number: 01-2119457026-42-xxxx	H319	
		Eye Irrit. 2	
Inhibitor		Classification notes: Shall not be classified	< 2 %
Thickener			< 2 %
		Classification notes: Shall not be classified	
Colouring			< 0,01 %
		Classification notes: Shall not be classified	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Call 113 and provide the information in the MSDS if pain should occur. For emergency phone see also section 1.4
Inhalation	By ordinary handling develops no gases
Skin contact	Wash with plenty of soap and water.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

Delayed symptoms and effects	Skin will be reddened by exposure over time. Eyes will sting sharp depending on the amounts of products that are in the eyes.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Ordinary symptomatic treatment.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	As appropriate for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The product is not flammable.
Hazardous combustion products	Phosphorus oxides (POx)

### 5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	Flush with water
Personal protection measures	Wear protective gloves / protective clothing / eye protection / face protection.

### 6.2. Environmental precautions

Environmental precautionary measures	The product is non-toxic and biodegradable. By concentrated spills will dilution and use of base as lye neutralizing product.
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### 6.3. Methods and material for containment and cleaning up

Cleaning method	Flush with water
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### 6.4. Reference to other sections

Other instructions	Look at section 8 and 13
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective Safety Measures

Protective Safety Measures	Do not eat, drink or smoke while working.
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### 7.2. Conditions for safe storage, including any incompatibilities

### 7.3. Specific end use(s)

Specific use(s)	Look at section 1.2
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

Limitation of exposure on workplace	It must be used personal protective equipment. In cooperation with the supplier selected this according to the CEN standards.
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### Safety signs



#### Respiratory protection

Respiratory protection	In case of inadequate ventilation wear respiratory protection.
Respiratory protection, general	Partial or full mask with dust filter in enclosed spaces.

#### Hand protection

Hand protection	PVC/Rubber/Latex
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#### Eye / face protection

Eye protection	Goggles, Mask
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#### Skin protection

Skin protection (except hands)	Full personal protective clothing.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Gel like liquid
Colour	Orange
Odour	Weak
pH (aqueous solution)	<b>Value:</b> < 2 <b>Method of testing:</b> pH meter

	<b>Test temperature:</b> = 20
Freezing point	<b>Value:</b> < 2 °C
Specific gravity	<b>Value:</b> ~ 1143,18 kg/m <sup>3</sup> <b>Test temperature:</b> 20 °C
Solubility in water	Complete
Viscosity	<b>Value:</b> ~ 7000 mpa

## 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

Conditions to avoid Keep cool. Protect from sunlight.

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Other information regarding health hazards

General The amount of product exposed to the skin is equivalent to degree of irritation and possible damage.

##### Potential acute effects

Inhalation	May cause respiratory irritation
Eye contact	Causes serious eye irritation
Ingestion	Irritating to mucous membranes in mouth and throat

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecotoxicity Not classified as dangerous for the environment

#### 12.2. Persistence and degradability

Persistence and degradability description	Fully biodegradable
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#### 12.3. Bioaccumulative potential

Bioaccumulative potential Completely

#### 12.4. Mobility in soil

Mobility	Easily soluble in water
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#### 12.5. Results of PBT and vPvB assessment

PBT assessment results	Contains no PBT substances
vPvB evaluation results	Contains no vPvB substances

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product classified as hazardous waste	No
Packaging classified as hazardous	No

waste

EWC waste code

EWC: 16 50 73

EWC: 12 03 01 aqueous washing liquids

## SECTION 14: Transport information

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

Comments

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ICAO or ADR/RID).

### 14.4. Packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

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

## SECTION 15: Regulatory information

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

References (laws/regulations)

Regulation on classification and labeling of hazardous chemicals, 16.07.2002 No. 1139 CLP Regulations, 16.06.2012. REACH regulation Annex II. Transportforskriften FOR 01.04.2009 No. 384.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

### Hazard symbol



Irritant

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

Eye Irrit. 2; H319;

List of relevant R-phrases (under headings 2 and 3).

R36 Irritating to eyes.

List of relevant H-phrases (Section 2 and 3).

H319 Causes serious eye irritation.

Information which has been added, deleted or revised

Changed description of colour Changed from H314 to H319 Added information in 3.2 for classification Corrected amount of citric acid.

Revision responsible

Raymond Engelsen

Last update date

20.09.2016

Version

4

Responsible for safety data sheet

Valhall NGP as