



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 |
|------------|-------------|

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 | | Classification notes: Shall not be classified | < 2 % |
| Colouring | | Classification notes: Shall not be classified | < 0,01 % |

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. |
|------------------------------|---|

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

| | |
|-------------------|---------------------------------|
| Medical treatment | Ordinary symptomatic treatment. |
|-------------------|---------------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | As appropriate for the surrounding fire. |
|------------------------------|--|

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. |
|-------------------------------|--|

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. |
|--------------------------------------|---|

6.3. Methods and material for containment and cleaning up

| | |
|-----------------|------------------|
| Cleaning method | Flush with water |
|-----------------|------------------|

6.4. Reference to other sections

| | |
|--------------------|--------------------------|
| Other instructions | Look at section 8 and 13 |
|--------------------|--------------------------|

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. |
|----------------------------|---|

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

| | |
|-----------------|---------------------|
| Specific use(s) | Look at section 1.2 |
|-----------------|---------------------|

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. |
|-------------------------------------|---|

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 |
|-----------------|------------------|

Eye / face protection

| | |
|----------------|---------------|
| Eye protection | Goggles, Mask |
|----------------|---------------|

Skin protection

| | |
|--------------------------------|------------------------------------|
| Skin protection (except hands) | Full personal protective clothing. |
|--------------------------------|------------------------------------|

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) | Value: < 2 Method of testing: pH meter |

| | |
|---------------------|---|
| | Test temperature: = 20 |
| Freezing point | Value: < 2 °C |
| Specific gravity | Value: ~ 1143,18 kg/m ³ Test temperature: 20 °C |
| Solubility in water | Complete |
| Viscosity | Value: ~ 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

12.3. Bioaccumulative potential

Bioaccumulative potential Completely

12.4. Mobility in soil

Mobility Easily soluble in water

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