



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	27.12.2013
Revision date	13.02.2019

1.1. Product identifier

Product name	Odin Gel
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Function	Description: Surface treatment
Product group	Cleaning agent
Use of the substance / preparation	Agent to rins/clean surfaces for corrosion, copper rust, lime, concrete, algae, layers of sediments etc.
Uses advised against	Corrodes galvanized and zinc metallized metal and surfaces treated with zincethylsilicate.
The chemical can be used by the general public	Yes
Use of chemical, comments	Use of the agent requires adequate training.

1.3. Details of the supplier of the safety data sheet

Company name	Valhall NGP as
Postal address	PB 1903 Damsgård
Postcode	5830
City	BERGEN
Country	Norway
Telephone number	+47 56126100
Email	post@valhallngp.no
Website	www.valhallngp.no

Enterprise No.	916488890MVA
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1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to 67/548/EEC or 1999/45/EC	Xi; R36
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Irrit. 2; H319

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Citric Acid < 30 %, Phosphoric Acid < 5 %
Signal word	Warning
Hazard statements	H314 Causes severe skin burns and eye damage.
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	H319	< 30 %
	EC No.: 201-069-1	Eye Irrit. 2	
	REACH Reg. No.: 01-2119457026-42-xxxx		
Phosphoric Acid	CAS No.: 7664-38-2 EC No.: 231-633-2	Skin Corr 1B	< 5 %
Inhibitor			< 1 %

Thickener	< 3 %
Colouring	< 0,5 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General	If unconscious or severe cases, Call 113 (Ambulance), look at section 1.4
Inhalation	The agent does not produce gases.
Skin contact	IF ON SKIN: 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: Drink water or milk. If any discomfort, contact a doctor.

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

Acute symptoms and effects	The agent is corrosive on skin and eyes,
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Symptomatic treatment.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Choose according to the surrounding environment/area.
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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 to thin out the Product. If large spills and thinning out not is an option, use soda lye/caustic soda to neutralize.
Personal protection measures	Use personal protective equipment as required.

6.2. Environmental precautions

Environmental precautionary measures	The product is biological degradable. If unwanted large spills, thin out with water, or collect what can be collected. Soda lye/caustic soda will also neutralize the product.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Flush and thin out the agent 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

Handling	Use personal protective equipment if the packing is leaking. If skin comes in contact with the product, wash with plenty of water.
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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

Storage	Store frostproof
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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

Substance	Identification	Value	TWA Year
Phosphoric Acid	CAS No.: 7664-38-2		

8.2. Exposure controls

Limitation of exposure on workplace	Personal protective Equipment should be chosen according to the CENstandard and in collaboration with the supplier of the personal protective equipment. If aerosol, use ventilation. Use personal protection equipment.
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Safety signs



Eye / face protection

Eye protection	Eye protection (glasses) og a full face cover if areosol.
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Hand protection

Hand protection	Gloves of PVC, Natural gum or latex
Suitable gloves type	Gloves of PVC, Natural gum or latex.

Skin protection

Skin protection (except hands)	Fully covering work clothes/protection equipment
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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.
Recommended type of equipment	If inadequate ventilation, use half or fully covering mask with dust filter
Mask type	Half or full covering mask
Filter apparatus type	Dust filter.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid gel-like Liquid.
Colour	Pink
Odour	Weak. Fresh.
pH	Status: In delivery state Value: > 2 Method: pH meter Temperature: = 20 °C Status: In aqueous solution Value: > 2 Method: pH meter Temperature: = 20 °C
Freezing point	Value: < 4 °C Comments: If imidiatae danger for frost, add glycol to reduse the freezing point.
Boiling point / boiling range	Value: 101 °C
Specific gravity	Value: ~ 1,23
Solubility in water	Completely mixable.
Viscosity	Value: ~ 6000 pci

9.2. Other information

Other physical and chemical properties

Comments	No further information available
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No reactivity danger.
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10.2. Chemical stability

Stability	Stabile under normal storing.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal conditions.
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10.4. Conditions to avoid

Conditions to avoid	Avoid freezing temperatures and temperatures exceeding 50C.
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10.5. Incompatible materials

Materials to avoid	Bases and alkalies will neutralize the product.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See section 5.2
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

General	The longer the product is exposed on skin, the larger irritation and danger for harm.
Inhalation of dust and mist	Aerosol may cause irritation in upper respiratory passage.
Inhalation	May cause respiratory irritation
Skin contact	Corrosive
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 environmentally unfriendly.
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12.2. Persistence and degradability

Persistence and degradability description	Biologically degradable
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12.3. Bioaccumulative potential

Bioaccumulative potential	None.
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12.4. Mobility in soil

Mobility	Mixable with 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

Other adverse effects, comments	The product contains phosphor which can cause local unwanted alae growth if larger uncontrolled ammounts are released.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Flush with water. Soda lye/caustic soda will neutralize the product if larger ammounts of it are released.
Product classified as hazardous waste	No
Packaging classified as hazardous waste	No
EWC waste code	EWC: 16 50 73 EWC: 12 03 01 aqueous washing liquids
NORSAS	7133 detergent

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).
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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 MARPOL 73/78 and the IBC Code

Pollution category	N/A
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SECTION 15: Regulatory information

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

References (laws/regulations)	Regulativ regarding "klassifisering, merking m.v. av farlige kjemikalier, 16.07.2002
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nr. 1139, med endringer".
 Regulativ regarding "klassifisering, merking og emballering av stoffer og stoffblandinger (CLP) av 16.06.2012 med senere endringer".
 REACH is the Regulation on Registration, Evaluation, Authorisation and Restriction of
 Chemicals(REACH) Attachment II: SDS.
 FOR 2011-12-06 nr 1358 Regulativ regarding "tiltaks- og grenseverdier".
 Regulative regarding waisted treatment, FOR 2004-06-01 nr 930, from Miljøverndepartementet.
 FOR 2009-04-01 nr 384: Regulative regarding "landtransport av farlig gods med senere endringer", Direktoratet for samfunnssikkerhet og beredskap. ADR, RID, IMDG, IATA.

15.2. Chemical safety assessment

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H319 Causes serious eye irritation.
Information added, deleted or revised	Corrected components
Revision responsible	Raymond Engelsen
Last update date	13.02.2019
Version	4