



BLUE OCEAN Wash



WATER BASED ALKALINE DEGREASER

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830

Date of issue: 2/7/2020 Revision date: 2/7/2020 Version: 1.3

MATERIAL SAFETY DATA SHEET

NAME: BLUE OCEAN WASH

DATE: 28.08.2014

1. PRODUCT INFORMATION

| | |
|----------------------|-----------------------|
| Trade Name: | BLUE OCEAN WASH |
| Product Description: | Water Based Degreaser |

2. COMPOSITION

| | |
|--|----------------|
| Glutamic acid, N, N-diaceticacid, Tetrasodium salt | 51981-21-6 <1% |
| C6 Alkyl Glucoside | 54549-24-5 <2% |
| Propylheptanol Ethoxylate | 102-71-6 <2% |
| Primary alkane Sulfonate | 5324-84-5 <5% |

3. HAZARDS IDENTIFICATION

| | |
|------------------------------|---|
| Flammability: | Non-flammable at use dilutions |
| Chemical Hazard: | Avoid contact with acids and oxidizing materials |
| Reproduction Hazard: | No data available |
| Health Effects - Skin: | Mild irritant |
| Health Effects - Ingestion: | Mild irritant |
| Health Effects - Inhalation: | Mild irritant |
| Carcinogenicity: | None of the components are considered carcinogens |
| Mutagenicity: | None of the components are considered mutagens |
| Neurotoxicity: | None of the components are considered neurotoxins |



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

1.1. Product identifier

Product form : Mixture
 Trade name : Blue Ocean Wash
 Type of product : Degreaser
 Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Industrial use
 Use of the substance/mixture : Cleaning/washing agents and additives

1.2.2. Uses advised against

Restrictions on use : Product for industrial use only

1.3. Details of the supplier of the safety data sheet

Blue Ocean Oil Supply (Pty) Ltd
 54 Edmonds Road, Glenwood
 Durban 4001
 South Africa
 T +27 31 3683934

Importer
 Convergent Global Limited 'Forest Way'
 SO41 6EA Lymington
 United Kingdom
 T +447481900008

1.4. Emergency telephone number

| Country | Official advisory body | Address | Emergency number | Comment |
|----------------|--|---|------------------|---------|
| United Kingdom | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA Belfast | 0344 892 0111 | |
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH Birmingham | 0344 892 0111 | |
| United Kingdom | National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital | Penarth CF64 2XX Cardiff | 0344 892 0111 | |
| United Kingdom | National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh | Little France Crescent EH16 4SA Edinburgh | 0344 892 0111 | |
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | +44 20 7188 7188 | |
| United Kingdom | National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit | Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle | 0344 892 0111 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315T
Serious eye damage/eye irritation, Category 1 H318
Full text of H statements : see section 16
Serious eye damage/eye irritation, Category 1 H318 Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

| | |
|--------------------------------|---|
| Signal word (CLP) | : Danger |
| Hazardous ingredients | : Sodium metasilicate pentahydrate; Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy-; Quaternary ammonium compounds, C12-14- alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides |
| Hazard statements (CLP) | : H315 - Causes skin irritation. H318 - Causes serious eye damage. |
| Precautionary statements (CLP) | : P264 - Wash hands, face thoroughly after handling. P280 - Wear eye protection, protective clothing, protective gloves. P302+P352 - IF ON SKIN: Wash with plenty of water. 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. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. |

2.3. Other hazards

No additional information available

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] |
|---|---|------------|---|
| Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy- | (CAS-No.) 160875-66-1 (EC-No.) 605-233-7 | 1 - 3.5 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |
| Sodium metasilicate pentahydrate | (CAS-No.) 10213-79-3 (EC-No.) 600-279-4 | 0.1 - 2.5 | Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 STOT SE 3, H335 |
| Quaternary ammonium compounds, C12-14- alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides | (CAS-No.) 1554325-20-0 (EC-No.) 810-152-7 | 0.07 - 2.1 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 |
| hydrochloric acid ... % substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (AT, BE, BG, CH, CY, CZ, DE, DK, ES, FI, FR, GB, GI, GR, HU, IE, IT, LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SK) | (EC-No.) 231-595-7 (EC Index-No.) 017-002-00-2 | | Press. Gas Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1, H314 Eye Dam. 1, H318 STOT SE 3, H335 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|-------------------------|---|---|
| hydrochloric acid ... % | (EC-No.) 231-595-7 (EC Index-No.) 017-002-00-2 | (10 =<C < 25) Skin Irrit. 2, H315 (10 =<C < 25) Eye Irrit. 2, H319 (10 =<C < 100) STOT SE 3, H335 (25 =<C < 100) Skin Corr. 1B, H314 |

Comments : Hydrogen chloride is a decomposition product.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : If medical advice is needed, have product container or label at hand. Call a physician immediately. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

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

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Serious damage to eyes.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire : Keep container tightly closed and away from heat, sparks and flame.
Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Clean up any spills as soon as possible, using an absorbent material to collect it.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/ personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|--|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | : Wash contaminated clothing before reuse. 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 | : Store in a well-ventilated place. Keep cool. |
|--------------------|--|

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

hydrochloric acid ... %

United Kingdom - Occupational Exposure Limits

| | |
|------------------------------|--|
| WEL TWA (mg/m ³) | 2 mg/m ³ (aerosol mist and gas) |
| WEL STEL (ppm) | 1 ppm (aerosol mist and gas) |
| WEL TWA (mg/m ³) | 8 mg/m ³ (aerosol mist and gas) |
| WEL STEL (ppm) | 5 ppm (aerosol mist and gas) |

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Gloves. Protective clothing. Protective goggles. Face shield.

| | |
|----------------------------------|--|
| Hand protection: | Protective gloves |
| Eye protection: | Safety glasses |
| Skin and body protection: | Wear suitable protective clothing |
| Respiratory protection: | In case of insufficient ventilation, wear suitable respiratory equipment |

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|------------------------------|
| Physical state | : Liquid |
| Appearance | : Liquid. |
| Colour | : Clear blue liquid |
| Odour | : Amine-like. |
| Odour threshold | : No data available |
| pH | : 10 - 11 |
| pH solution | : 10 - 10.5 (1.25% solution) |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : ≈100°C |
| Flash point | : Not applicable |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : ≈1.01 |
| Solubility | : Soluble in water. |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.1. Information on basic physical and chemical properties

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

Sodium metasilicate pentahydrate (10213-79-3)

| | |
|---------------|-----------|
| LD50 oral rat | 847 mg/kg |
|---------------|-----------|

Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy- (160875-66-1)

| | |
|--------------------|------------------|
| LD50 oral rat | 300 - 2000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |

Quaternary ammonium compounds, C12-14-alkyl (hydroxyethyl) dimethyl, ethoxylated, chlorides (1554325-20-0)

| | |
|---------------|------------------|
| LD50 oral rat | 300 - 2000 mg/kg |
|---------------|------------------|

hydrochloric acid ... %

| | |
|----------------------------|--------------------------------|
| LD50 oral rat | 238 - 277 mg/kg |
| LD50 dermal rabbit | > 5010 mg/kg |
| LC50 inhalation rat (mg/l) | 1.68 mg/l (Exposure time: 1 h) |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Causes skin irritation. pH: 10.8 - 11.3 |
| Serious eye damage/irritation | : Causes serious eye damage. pH: 10.8 - 11.3 |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

hydrochloric acid ... %

| | |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

| | |
|------------------------|------------------|
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

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. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Sodium metasilicate pentahydrate (10213-79-3)

| | |
|----------------|--|
| LC50 fish 1 | 210 mg/l (96 h, Brachydanio rerio, Literature study, Anhydrous form) |
| EC50 Daphnia 1 | 216 mg/l (96 h, Daphnia magna, Literature study, Anhydrous form) |

Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy- (160875-66-1)

| | |
|--------------------|---|
| LC50 fish 1 | 10 - 100 mg/l |
| EC50 Daphnia 1 | 10 - 100 mg/l |
| EC50 72h algae (1) | 1 - 10 mg/l Scenedesmus subspicatus (algae) |

Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides (1554325-20-0)

| | |
|--------------------|---------------|
| LC50 fish 1 | 10 - 100 mg/l |
| EC50 Daphnia 1 | 1 - 10 mg/l |
| EC50 72h algae (1) | 1 - 10 mg/l |

12.2. Persistence and degradability

Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides (1554325-20-0)

| | |
|-------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |
|-------------------------------|---------------------------------|

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

14.1. UN number

| | |
|---------------|-----------------|
| UN-No. (ADR) | : Not regulated |
| UN-No. (IMDG) | : Not regulated |
| UN-No. (IATA) | : Not regulated |
| UN-No. (ADN) | : Not regulated |
| UN-No. (RID) | : Not regulated |

14.2. UN proper shipping name

| | |
|-----------------------------|-----------------|
| Proper Shipping Name (ADR) | : Not regulated |
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |
| Proper Shipping Name (ADN) | : Not regulated |
| Proper Shipping Name (RID) | : Not regulated |

14.3. Transport hazard class(es)

| | |
|-----------------------------------|-----------------|
| ADR | : Not regulated |
| Transport hazard class(es) (ADR) | |
| IMDG | : Not regulated |
| Transport hazard class(es) (IMDG) | |
| IATA | : Not regulated |
| Transport hazard class(es) (IATA) | |
| ADN | : Not regulated |
| Transport hazard class(es) (ADN) | |
| RID | : Not regulated |
| Transport hazard class(es) (RID) | |

14.4. Packing group

| | |
|----------------------|-----------------|
| Packing group (ADR) | : Not regulated |
| Packing group (IMDG) | : Not regulated |
| Packing group (IATA) | : Not regulated |
| Packing group (ADN) | : Not regulated |
| Packing group (RID) | : Not regulated |

4.5. Environmental hazards

| | |
|-------------------------------|--|
| Dangerous for the environment | : No |
| Marine pollutant | : No |
| Other information | : No supplementary information available |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|---------------------------|--|
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Press. Gas | Gases under pressure |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H290 | May be corrosive to metals. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.