

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/6

## Rust Remover

Revision 16

Revision date 2019-03-28

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

#### 1.1. Product identifier

|              |                                                                                                |
|--------------|------------------------------------------------------------------------------------------------|
| Product name | Rust Remover                                                                                   |
| REACH        | ALL INGREDIENTS IN THIS FORMULATION HAVE BEEN REGISTERED (WHERE REQUIRED) FOR APPLICABLE USES. |

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

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| Company                               | Orca Cleaning Services                                      |
| Address                               | Unit 1D Dean and Chapter<br>Ferryhill<br>Durham<br>DL17 8LN |
| Web                                   | www.orcacleaningservices.co.uk                              |
| Telephone                             | 0800 304 7436                                               |
| Fax                                   |                                                             |
| Email                                 | info@orcacleaningservices.co.uk                             |
| Email address of the competent person | info@orcacleaningservices.co.uk                             |

#### 1.4. Emergency telephone number

|                            |                        |
|----------------------------|------------------------|
| Emergency telephone number | 0800 304 7436          |
| Company                    | Orca Cleaning Services |
|                            | Normal Office Hours    |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| 2.1.2. Classification - EC 1272/2008 | Skin Irrit. 2: H315; Eye Irrit. 2: H319; |
|--------------------------------------|------------------------------------------|

#### 2.2. Label elements

|                                     |                                                                                                                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms                   |                                                                                                                                                     |
| Signal Word                         | Warning                                                                                                                                                                                                                                |
| Hazard Statement                    | Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.                                                                                                                                   |
| Precautionary Statement: Prevention | P264 - Wash thoroughly after handling.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection.                                                                                                            |
| Precautionary Statement: Response   | P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ oR /if you feel unwell.<br>P302+P352 - IF ON SKIN: Wash with plenty of water/ .<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact |

Print date 2019-05-20

**2.2. Label elements**

|                                                                                                         |                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautionary Statement:</b><br><b>Storage</b><br><b>Precautionary Statement:</b><br><b>Disposal</b> | lenses, if present and easy to do. Continue rinsing.                                                                                          |
|                                                                                                         | P321 - Specific treatment (see on this label).                                                                                                |
|                                                                                                         | P332+P313 - If skin irritation occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention. |
|                                                                                                         | P405 - Store locked up.                                                                                                                       |
|                                                                                                         | P501 - Dispose of contents/container to rEQUIREMENTS OF LOCAL AUTHORITIES                                                                     |

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****EC 1272/2008**

| Chemical Name                           | Index No.    | CAS No.    | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification                                                                                               |
|-----------------------------------------|--------------|------------|-----------|---------------------------|--------------|--------------------------------------------------------------------------------------------------------------|
| WATER                                   |              |            |           |                           | 60 - 70%     |                                                                                                              |
| Phosphoric acid. (Orthophosphoric acid) |              | 7664-38-2  | 231-633-2 |                           | 10 - 20%     | Skin Irrit. 2: H315; Eye Irrit. 2: H319;                                                                     |
| 2 BUTOXY ETHANOL<br>(2-Butoxyethanol)   |              | 111-76-2   | 203-905-0 | 01-2119475108-36          | 1 - 10%      | Acute Tox. 4: H302+H312+H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319;                                       |
| Methanol                                | 603-001-00-X | 67-56-1    | 200-659-6 |                           | 1 - 10%      | Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370;             |
| ALCOHOL ETHOXYLATE                      |              | 68439-46-3 |           |                           | 0.5 - 1%     | Acute Tox. 4: H302; Eye Dam. 1: H318;                                                                        |
| PERFUME                                 |              |            |           |                           | 0 - 0.5%     |                                                                                                              |
| Dipentene                               | 601-029-00-7 | 138-86-3   | 205-341-0 |                           | 0 - 0.5%     | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |
| HEXYL CINNAMAL                          |              | 101-86-0   |           |                           | 0 - 0.5%     | Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;                                          |
| DYE                                     |              |            |           |                           | 0 - 0.5%     |                                                                                                              |

**SECTION 4: First aid measures****4.1. Description of first aid measures**

|                     |                                                                                                                                                                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | May cause irritation to respiratory system. Move the exposed person to fresh air. Seek medical attention.                                                                                                                                                     |
| <b>Eye contact</b>  | Causes severe inflammation and may damage the cornea. Seek medical attention.                                                                                                                                                                                 |
| <b>Skin contact</b> | May cause severe irritation to eyes and skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.                                                                     |
| <b>Ingestion</b>    | Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. If swallowed, seek medical advice immediately and show this container or label. |

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

|  |                                               |
|--|-----------------------------------------------|
|  | Alcohol resistant foam. Carbon dioxide (CO2). |
|--|-----------------------------------------------|

**5.2. Special hazards arising from the substance or mixture**

|  |                                                                    |
|--|--------------------------------------------------------------------|
|  | Corrosive. Burning produces irritating, toxic and obnoxious fumes. |
|--|--------------------------------------------------------------------|

**5.3. Advice for firefighters**

|  |                                                               |
|--|---------------------------------------------------------------|
|  | Self-contained breathing apparatus. Wear protective clothing. |
|--|---------------------------------------------------------------|

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

|  |                                                                        |
|--|------------------------------------------------------------------------|
|  | Evacuate personnel to a safe area. Wear suitable protective equipment. |
|--|------------------------------------------------------------------------|

**6.2. Environmental precautions**

|  |                                                                         |
|--|-------------------------------------------------------------------------|
|  | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|-------------------------------------------------------------------------|

**6.3. Methods and material for containment and cleaning up**

|  |                                                                                                                                                     |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

|  |                                   |
|--|-----------------------------------|
|  | Avoid contact with eyes and skin. |
|--|-----------------------------------|

**7.2. Conditions for safe storage, including any incompatibilities**

|  |                                                                            |
|--|----------------------------------------------------------------------------|
|  | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. |
|--|----------------------------------------------------------------------------|

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.1.1. Exposure Limit Values**

|                                            |                                                  |                                                    |
|--------------------------------------------|--------------------------------------------------|----------------------------------------------------|
| 2 BUTOXY ETHANOL<br>(2-Butoxyethanol)      | WEL 8-hr limit ppm: 25                           | WEL 8-hr limit mg/m3: 123                          |
|                                            | WEL 15 min limit ppm: 50                         | WEL 15 min limit mg/m3: 101.2                      |
|                                            | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|                                            | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |
|                                            |                                                  |                                                    |
| Methanol                                   | WEL 8-hr limit ppm: 200                          | WEL 8-hr limit mg/m3: 266                          |
|                                            | WEL 15 min limit ppm: 250                        | WEL 15 min limit mg/m3: 333                        |
|                                            | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|                                            | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |
|                                            |                                                  |                                                    |
| Phosphoric acid.<br>(Orthophosphoric acid) | WEL 8-hr limit ppm: -                            | WEL 8-hr limit mg/m3: 1                            |
|                                            | WEL 15 min limit ppm: -                          | WEL 15 min limit mg/m3: 2                          |
|                                            | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|                                            | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |
|                                            |                                                  |                                                    |

**DNEL: Derived no-effect level.**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**8.2. Exposure controls**

|                                         |                                                                            |
|-----------------------------------------|----------------------------------------------------------------------------|
| 8.2.1. Appropriate engineering controls | Not normally required.                                                     |
| 8.2.2. Individual protection measures   | Wear chemical protective clothing.                                         |
| Eye / face protection                   | Approved safety goggles.                                                   |
| Skin protection -<br>Handprotection     | Chemical resistant gloves (PVC).                                           |
| Respiratory protection                  | Not normally required. Wear suitable respiratory equipment when necessary. |

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                       |                |
|-----------------------|----------------|
| Appearance            | Liquid         |
| Colour                | Clear          |
| Odour                 | Characteristic |
| pH                    | 1 - 3          |
| Initial boiling point | 100            |
| Relative density      | 1.11 NOMINAL   |

**Water solubility**

|  |                   |
|--|-------------------|
|  | Soluble in water. |
|--|-------------------|

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

|  |                                                                                                        |
|--|--------------------------------------------------------------------------------------------------------|
|  | Stable under normal conditions. REACTS WITH HYPOCHLORITES(BLEACH) TO GIVE OFF TOXIC FUMES OF CHLORINE. |
|--|--------------------------------------------------------------------------------------------------------|

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

|                                |                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------|
| Skin corrosion/irritation      | Irritating to eyes and skin. Seek medical attention if irritation or symptoms persist. |
| Repeated or prolonged exposure | Prolonged or repeated exposure may cause irritation to skin and mucous membranes.      |

**SECTION 12: Ecological information****12.2. Persistence and degradability**

|  |                                                                                                                                                                                                                                                                       |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE. Inorganic materials are inherently not biodegradable however those present in this formulation/product are either of no known significant environmental hazard or are readily neutralised to form inert salts. |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**SECTION 13: Disposal considerations****General information**

|  |                                                                   |
|--|-------------------------------------------------------------------|
|  | Dispose of in compliance with all local and national regulations. |
|--|-------------------------------------------------------------------|

**SECTION 14: Transport information****Hazard pictograms**

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

**14.1. UN number**

|  |        |
|--|--------|
|  | UN1805 |
|--|--------|

**14.2. UN proper shipping name**

|  |                           |
|--|---------------------------|
|  | PHOSPHORIC ACID, SOLUTION |
|--|---------------------------|

**14.3. Transport hazard class(es)**

|                 |   |
|-----------------|---|
| ADR/RID         | 8 |
| Subsidiary risk | - |
| IMDG            | 8 |
| Subsidiary risk | - |
| IATA            | 8 |

**14.3. Transport hazard class(es)**

|                 |   |
|-----------------|---|
| Subsidiary risk | - |
|-----------------|---|

**14.4. Packing group**

|               |     |
|---------------|-----|
| Packing group | III |
|---------------|-----|

**14.5. Environmental hazards**

|                       |    |
|-----------------------|----|
| Environmental hazards | No |
| Marine pollutant      | No |

**ADR/RID**

|                 |     |
|-----------------|-----|
| Hazard ID       | 80  |
| Tunnel Category | (E) |

**IMDG**

|          |         |
|----------|---------|
| EmS Code | F-A S-B |
|----------|---------|

**IATA**

|                                 |      |
|---------------------------------|------|
| Packing Instruction (Cargo)     | 856  |
| Maximum quantity                | 60 L |
| Packing Instruction (Passenger) | 852  |
| Maximum quantity                | 5 L  |

**Further information**

|  |                                                          |
|--|----------------------------------------------------------|
|  | The product is not classified as dangerous for carriage. |
|--|----------------------------------------------------------|

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulations | COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**15.2. Chemical safety assessment**

|  |                                                                     |
|--|---------------------------------------------------------------------|
|  | No chemical Safety assessment has been carried out by the supplier. |
|--|---------------------------------------------------------------------|

**SECTION 16: Other information****Other information**

|          |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revision | This document differs from the previous version in the following areas:<br>2 - 2.1. Classification of the substance or mixture.<br>2 - 2.1.2. Classification - EC 1272/2008.<br>2 - Hazard pictograms.<br>2 - Signal Word.<br>2 - Precautionary Statement: Prevention.<br>2 - Precautionary Statement: Response.<br>2 - Precautionary Statement: Storage.<br>2 - Precautionary Statement: Disposal.<br>14 - ADR/RID. |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## C303

Revision 16

Revision date 2019-03-28

## Other information

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               | 14 - IMDG.<br>14 - IATA.<br>15 - Labelling.<br>15 - Hazard Statement.<br>15 - Safety phrases.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Text of Hazard Statements in Section 3</b> | Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled<br>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.<br>Acute Tox. 3: H301 - Toxic if swallowed.<br>Acute Tox. 3: H311 - Toxic in contact with skin.<br>Acute Tox. 3: H331 - Toxic if inhaled.<br>STOT SE 1: H370 - Causes damage to organs .<br>STOT SE 2: H371 - May cause damage to organs .<br>Acute Tox. 4: H302 - Harmful if swallowed.<br>Eye Dam. 1: H318 - Causes serious eye damage.<br>Flam. Liq. 3: H226 - Flammable liquid and vapour.<br>Skin Sens. 1: H317 - May cause an allergic skin reaction.<br>Aquatic Acute 1: H400 - Very toxic to aquatic life.<br>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.<br>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. |

## Further information

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|