

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### Engineering Hand Cleaner

Revision 1

Revision date 2021-01-06

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

##### 1.1. Product identifier

|              |                          |
|--------------|--------------------------|
| Product name | Engineering Hand Cleaner |
| Product code | BBH 203                  |

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

|           |                                                                |
|-----------|----------------------------------------------------------------|
| Company   | RUBIX                                                          |
| Address   | Dakota House, Concord Business Park, Manchester. M22 0RR. U.K. |
| Telephone | U.K. : +44 (0) 8450 510 150                                    |

##### 1.4. Emergency telephone number

|                            |                      |
|----------------------------|----------------------|
| Emergency telephone number | +44 (0) 8450 510 150 |
|----------------------------|----------------------|

#### SECTION 2: Hazards identification

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

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

##### 2.2. Label elements

|                                     |                                                                                                                                                                                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms                   |                                                                                                                                         |
| Signal Word                         | Warning                                                                                                                                                                                                                    |
| Hazard Statement                    | 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   | P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313 - If eye irritation persists: Get medical advice/attention. |

##### Further information

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## Further information

Only Irritating if splashed into the eyes.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

67/548/EEC / 1999/45/EC

| Chemical Name                             | Index No. | CAS No.    | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|-------------------------------------------|-----------|------------|--------|---------------------------|--------------|----------------|-----------|
| Triethanolamine dodecylbenzene sulphonate |           | 27323-41-7 |        |                           | 1 - 10%      | Xi; R38-41     |           |
| Coconut diethanolamine                    |           | 68603-42-9 |        |                           | 1 - 10%      | Xi; R38-41     |           |

EC 1272/2008

| Chemical Name                             | Index No. | CAS No.    | EC No. | REACH Registration Number | Conc. (%w/w) | Classification                                                  | M-factor. |
|-------------------------------------------|-----------|------------|--------|---------------------------|--------------|-----------------------------------------------------------------|-----------|
| Triethanolamine dodecylbenzene sulphonate |           | 27323-41-7 |        |                           | 1 - 10%      | Skin Irrit. 2: H315; Eye Dam. 1: H318;                          |           |
| Coconut diethanolamine                    |           | 68603-42-9 |        |                           | 1 - 10%      | Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411; |           |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |                                                                                                                                                                          |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | No irritation expected.                                                                                                                                                  |
| Eye contact  | May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.  |
| Skin contact | No irritation expected. Wash with water.                                                                                                                                 |
| Ingestion    | Ingestion may cause nausea and vomiting. Rinse mouth thoroughly. Drink 1 to 2 glasses of water. If you feel unwell, seek medical advice (show the label where possible). |

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

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

Burning produces irritating, toxic and obnoxious fumes.

### 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation of the working area.

### 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. Sweep up. Transfer to suitable, labeled 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. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

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

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

## 7.3. Specific end use(s)

|  |           |
|--|-----------|
|  | Cleaning. |
|--|-----------|

## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area.      |
| 8.2.2. Individual protection measures   | Not normally required.                                |
| Eye / face protection                   | In case of splashing, wear:. Approved safety goggles. |

## SECTION 9: Physical and chemical properties

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

|                           |                   |
|---------------------------|-------------------|
| Appearance                | Gel               |
| Colour                    | Yellow            |
| Odour                     | Slight            |
| Odour threshold           | Not determined    |
| pH                        | 9.5               |
| Melting point             | Not determined    |
| Initial boiling point     | 100               |
| Flash point               | Not applicable.   |
| Evaporation rate          | No data available |
| Flammability (solid, gas) | Not applicable.   |
| Vapour pressure           | Not applicable.   |
| Vapour density            | Not applicable.   |
| Relative density          | 1.02              |
| Partition coefficient     | Not determined    |
| Autoignition temperature  | Not applicable.   |
| Viscosity                 | Not determined    |
| Explosive properties      | Not applicable.   |
| Oxidising properties      | No data available |

### 9.2. Other information

|                                  |                   |
|----------------------------------|-------------------|
| Conductivity                     | Not determined    |
| Surface tension                  | Not determined    |
| Gas group                        | Not applicable.   |
| Benzene Content                  | No data available |
| Lead content                     | No data available |
| VOC (Volatile organic compounds) | No data available |

### Water solubility

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

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|  |                                    |
|--|------------------------------------|
|  | Do NOT mix with any other product. |
|--|------------------------------------|

### 10.2. Chemical stability

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## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |                        |
|--|------------------------|
|  | No Significant Hazard. |
|--|------------------------|

## 10.4. Conditions to avoid

|  |                                                                    |
|--|--------------------------------------------------------------------|
|  | Do NOT allow to freeze. Protect from frost. No Significant Hazard. |
|--|--------------------------------------------------------------------|

## 10.5. Incompatible materials

|  |                                    |
|--|------------------------------------|
|  | Do NOT mix with any other product. |
|--|------------------------------------|

## 10.6. Hazardous decomposition products

|  |                                                       |
|--|-------------------------------------------------------|
|  | Will not decompose if stored and used as recommended. |
|--|-------------------------------------------------------|

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                   |                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------|
| Acute toxicity                    | No Significant Hazard.                                                      |
| Skin corrosion/irritation         | No Significant Hazard. May cause degreasing of the skin.                    |
| Serious eye damage/irritation     | Only Irritating if splashed into the eyes.                                  |
| Respiratory or skin sensitisation | No Significant Hazard. May cause irritation to skin in susceptible persons. |

### 11.1.2. Mixtures

|  |                                    |
|--|------------------------------------|
|  | Do NOT mix with any other product. |
|--|------------------------------------|

### 11.1.3. Hazard Information

|  |                        |
|--|------------------------|
|  | No Significant Hazard. |
|--|------------------------|

### 11.1.4. Toxicological Information

|  |                                  |
|--|----------------------------------|
|  | No known adverse health effects. |
|--|----------------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|  |                                         |
|--|-----------------------------------------|
|  | No known adverse environmental effects. |
|--|-----------------------------------------|

### 12.2. Persistence and degradability

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

### 12.3. Bio-accumulative potential

## Partition coefficient

|  |                                           |
|--|-------------------------------------------|
|  | Engineering Hand Cleaner ; Not determined |
|--|-------------------------------------------|

### 12.4. Mobility in soil

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## SECTION 13: Disposal considerations

### General information

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

### Disposal methods

|  |                                                                                                                                    |
|--|------------------------------------------------------------------------------------------------------------------------------------|
|  | For small quantities: Flush down the drain with plenty of water. Dispose of in compliance with all local and national regulations. |
|--|------------------------------------------------------------------------------------------------------------------------------------|

### Disposal of packaging

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## Disposal of packaging

|  |                                                                                  |
|--|----------------------------------------------------------------------------------|
|  | Containers can be recycled if in compliance with local and national regulations. |
|--|----------------------------------------------------------------------------------|

## SECTION 14: Transport information

### 14.1. UN number

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

### 14.2. UN proper shipping name

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

### 14.3. Transport hazard class(es)

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

### 14.4. Packing group

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

### 14.5. Environmental hazards

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

### 14.6. Special precautions for user

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

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

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

## 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. This product MSDS has been compiled in relation to EC No: 1272/2008 CLP Regulations.

## SECTION 16: Other information

### Other information

#### Text of risk phrases in Section 3

|                                       |
|---------------------------------------|
| R38 - Irritating to skin.             |
| R41 - Risk of serious damage to eyes. |

#### Text of Hazard Statements in Section 3

|                                                                            |
|----------------------------------------------------------------------------|
| Skin Irrit. 2: H315 - Causes skin irritation.                              |
| Eye Dam. 1: H318 - Causes serious eye damage.                              |
| 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 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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Further information

|  |                                                               |
|--|---------------------------------------------------------------|
|  | combination with any other materials or in any other process. |
|--|---------------------------------------------------------------|