



# SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** THICK BLEACH

**Version:** 6

## Section 1. Identification of the substance or the mixture and of the supplier

### 1.1 Product Identifier

**Product identifier:** THICK BLEACH (Contains:Alcohols, C12-14, Ethoxylated, Sulfates, Sodium Salts, Amines, C12-14 (Even Numbered)-Alkyldimethyl, N-Oxides, SODIUM HYDROXIDE, Sodium Hypochlorite)

**Other identifiers:** BLEACH 5% THICK

### 1.2 Relevant identified uses of the substance of mixture and uses advised against

**Product uses:** Bleach Solution

**Uses advised against:** DO NOT mix with Acid's or any other chemical

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

**Company name:** R & D Products (UK) Ltd

**Company address:** Victoria Mills  
Westgate  
Cleckheaton  
BD19 5DR

**Contact:** Regulatory Affairs

**E-Mail address:** admin@rd-products.co.uk

**Company phone:** 01274 851516

### 1.4 Emergency telephone number

**Emergency phone:** 01274 851516 - Mon-Fri 8am-4pm

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### **Classification under Regulation (EC) No 1272/2008**

**Class and category of danger:** Skin Corrosion / Irritation Category 2  
Eye Damage / Irritation Category 1  
Hazardous to the Aquatic Environment - Long-term Hazard Category 2  
H315, Causes skin irritation.  
H318, Causes serious eye damage.  
H411, Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### **Classification under Regulation (EC) No 1272/2008**

**Signal word:** Danger

**Hazard statements:** H315, Causes skin irritation.

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H318, Causes serious eye damage.  
H411, Toxic to aquatic life with long lasting effects.

**Supplemental Information:** None

**Precautionary statements:**

P264, Wash hands and other contacted skin thoroughly after handling.  
P273, Avoid release to the environment.  
P280, Wear protective gloves/eye protection/face protection.  
P302/352, IF ON SKIN: Wash with plenty of soap and water.  
P305/351/338, 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 POISON CENTER or doctor/physician.  
P332/313, If skin irritation occurs: Get medical advice/attention.  
P362, Take off contaminated clothing and wash before reuse.  
P391, Collect spillage.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:**



### 2.3 Other hazards

**Other hazards:** None

## Section 3. Composition / information on ingredients

### 3.2 Mixtures

**Contains:**

| Name                                                  | CAS       | EC        | REACH Registration No. | %     | Classification for (CLP) 1272/2008                                                                       |
|-------------------------------------------------------|-----------|-----------|------------------------|-------|----------------------------------------------------------------------------------------------------------|
| Sodium Hypochlorite                                   | 7681-52-9 | 231-668-3 |                        | 1-<5% | Met. Corr. 1-Skin Corr. 1B-Eye Dam. 1-STOT SE 3-Aquatic Acute 1-Aquatic Chronic 1; H290-H314-H335-H410,- |
| Alcohols, C12-14, Ethoxylated, Sulfates, Sodium Salts |           |           |                        | 1-<5% | Skin Irrit. 2-Eye Dam. 1-Aquatic Chronic 3; H315-H318-H412,-                                             |



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|                                                        |             |           |                       |         |                                                                                   |
|--------------------------------------------------------|-------------|-----------|-----------------------|---------|-----------------------------------------------------------------------------------|
| Amines, C12-14 (Even Numbered)-Alkyldimethyl, N-Oxides | 308062-28-4 | 931-292-6 |                       | 0.1-<1% | Skin Irrit. 2-Eye Dam. 1-Aquatic Acute 1-Aquatic Chronic 2; H315-H318-H400-H411,- |
| SODIUM HYDROXIDE                                       | 001310-73-2 | 215-185-5 | 01-2119457892-27-XXXX | 0.1-<1% | Skin Corr. 1A;H314,-                                                              |

### Substances with Community workplace exposure limits:

Not Applicable

### Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

## Section 4. First-aid measures

### 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin exposure:** IF ON SKIN: Wash with plenty of soap and water.

**Ingestion:** Rinse mouth with water and obtain medical attention.

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

Causes skin irritation.

Causes serious eye damage.

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

None expected, see Section 4.1 for further information.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

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

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.



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### Section 6. Accidental release measures

#### **6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

#### **6.2 Environmental precautions:**

Keep away from drains, surface and ground water, and soil.

#### **6.3 Methods and material for containment and cleaning up:**

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### **6.4 Reference to other sections:**

Also refer to sections 8 and 13.

### Section 7. Handling and storage

#### **7.1 Precautions for safe handling:**

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

#### **7.2 Conditions for safe storage, including any incompatibilities:**

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

#### **7.3 Specific end use(s):**

Bleach Solution: Use in accordance with good manufacturing and industrial hygiene practices.

### Section 8. Exposure controls/personal protection

#### **8.1 Control parameters**

Workplace exposure limits: Not Applicable

#### **8.2 Exposure Controls**

##### **Eye / Skin Protection**

Wear protective gloves/eye protection/face protection

##### **Respiratory Protection**

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed



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systems for transferring and processing this material.

Also refer to Sections 2 and 7.

### Section 9. Physical and chemical properties

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

|                                                      |                                              |
|------------------------------------------------------|----------------------------------------------|
| <b>Appearance:</b>                                   | Not determined                               |
| <b>Odour:</b>                                        | Not determined                               |
| <b>Odour threshold:</b>                              | Not determined                               |
| <b>pH:</b>                                           | Not determined                               |
| <b>Melting point / freezing point:</b>               | Not determined                               |
| <b>Initial boiling point / range:</b>                | Not determined                               |
| <b>Flash point:</b>                                  | > 61 °C                                      |
| <b>Evaporation rate:</b>                             | Not determined                               |
| <b>Flammability (solid, gas):</b>                    | Not determined                               |
| <b>Upper/lower flammability or explosive limits:</b> | Product does not present an explosion hazard |
| <b>Vapour pressure:</b>                              | Not determined                               |
| <b>Vapour density:</b>                               | Not determined                               |
| <b>Relative density:</b>                             | Not determined                               |
| <b>Solubility(ies):</b>                              | Not determined                               |
| <b>Partition coefficient: n-octanol/water:</b>       | Not determined                               |
| <b>Auto-ignition temperature:</b>                    | Not determined                               |
| <b>Decomposition temperature:</b>                    | Not determined                               |
| <b>Viscosity:</b>                                    | Not determined                               |
| <b>Explosive properties:</b>                         | Not expected                                 |
| <b>Oxidising properties:</b>                         | Not expected                                 |

**9.2 Other information:** None available

### Section 10. Stability and reactivity

#### 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

#### 10.2 Chemical stability:

Good stability under normal storage conditions.

#### 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

#### 10.4 Conditions to avoid:

Avoid extreme heat.



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### 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

### 10.6 Hazardous decomposition products:

Not expected.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

**Acute Toxicity:** Based on available data the classification criteria are not met.

Acute Toxicity Oral Not Applicable

Acute Toxicity Dermal Not Applicable

Acute Toxicity Inhalation Not Available

**Skin corrosion/irritation:** Skin Corrosion / Irritation Category 2

**Serious eye damage/irritation:** Eye Damage / Irritation Category 1

**Respiratory or skin sensitisation:** Based on available data the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data the classification criteria are not met.

**Carcinogenicity:** Based on available data the classification criteria are not met.

**Reproductive toxicity:** Based on available data the classification criteria are not met.

**STOT-single exposure:** Based on available data the classification criteria are not met.

**STOT-repeated exposure:** Based on available data the classification criteria are not met.

**Aspiration hazard:** Based on available data the classification criteria are not met.

### Information about hazardous ingredients in the mixture

Not Applicable

Refer to Sections 2 and 3 for additional information.

## Section 12. Ecological information

### 12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability:** Not available

**12.3 Bioaccumulative potential:** Not available

**12.4 Mobility in soil:** Not available

### 12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:** Not available



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### Section 13. Disposal considerations

#### 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. Transport information

**14.1 UN number:** UN3082

**14.2 UN Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( , )

**14.3 Transport hazard class(es):** 9

**Sub Risk:** -

**14.4. Packing Group:** III

**14.5 Environmental hazards:** This is an environmentally hazardous substance.

**14.6 Special precautions for user:** None additional

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

### Section 15. Regulatory information

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

Water Hazard Class (WGK): 3

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

### Section 16. Other information

**Concentration % Limits:** EH C2=59.14% EH C3=5.90% SCI 2=19.94% EDI 1=69.28% EDI 2=14.51%

**Total Fractional Values:** EH C2=1.69 EH C3=16.95 SCI 2=5.01 EDI 1=1.44 EDI 2=6.89

#### Key to revisions:

Concentration % Limits

SECTION 3: Composition/information on ingredients

Total Fractional Values

#### Key to abbreviations:

| Abbreviation      | Meaning                                                            |
|-------------------|--------------------------------------------------------------------|
| Aquatic Acute 1   | Hazardous to the Aquatic Environment - Acute Hazard Category 1     |
| Aquatic Chronic 1 | Hazardous to the Aquatic Environment - Long-term Hazard Category 1 |
| Aquatic Chronic 2 | Hazardous to the Aquatic Environment - Long-term Hazard Category 2 |
| Aquatic Chronic 3 | Hazardous to the Aquatic Environment - Long-term Hazard Category 3 |
| Eye Dam. 1        | Eye Damage / Irritation Category 1                                 |
| H290              | May be corrosive to metals.                                        |



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|               |                                                                                                                                  |
|---------------|----------------------------------------------------------------------------------------------------------------------------------|
| H314          | Causes severe skin burns and eye damage.                                                                                         |
| H315          | Causes skin irritation.                                                                                                          |
| H318          | Causes serious eye damage.                                                                                                       |
| H335          | May cause respiratory irritation.                                                                                                |
| H400          | Very toxic to aquatic life.                                                                                                      |
| H410          | Very toxic to aquatic life with long lasting effects.                                                                            |
| H411          | Toxic to aquatic life with long lasting effects.                                                                                 |
| H412          | Harmful to aquatic life with long lasting effects.                                                                               |
| Met. Corr. 1  | Corrosive to Metals Category 1                                                                                                   |
| P234          | Keep only in original container.                                                                                                 |
| P260          | Do not breathe vapour or dust.                                                                                                   |
| P264          | Wash hands and other contacted skin thoroughly after handling.                                                                   |
| P271          | Use only outdoors or in a well-ventilated area.                                                                                  |
| P273          | Avoid release to the environment.                                                                                                |
| P280          | Wear protective gloves/eye protection/face protection.                                                                           |
| P301/330/331  | If swallowed: Rinse mouth. Do not induce vomiting.                                                                               |
| P302/352      | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
| P303/361/353  | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
| P304/340      | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                 |
| P305/351/338  | 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 POISON CENTER or doctor/physician.                                                                            |
| P332/313      | If skin irritation occurs: Get medical advice/attention.                                                                         |
| P362          | Take off contaminated clothing and wash before reuse.                                                                            |
| P363          | Wash contaminated clothing before reuse.                                                                                         |
| P390          | Absorb spillage to prevent material damage.                                                                                      |
| P391          | Collect spillage.                                                                                                                |
| P403/233      | Store in a well-ventilated place. Keep container tightly closed.                                                                 |
| P405          | Store locked up.                                                                                                                 |
| P406          | Store in corrosive resistant container with a resistant inner liner.                                                             |
| P501          | Dispose of contents/container to approved disposal site, in accordance with local regulations.                                   |
| STOT SE 3     | Specific Target Organ Toxicity (Single Exposure) Category 3                                                                      |
| Skin Corr. 1A | Skin Corrosion / Irritation Category 1A                                                                                          |
| Skin Corr. 1B | Skin Corrosion / Irritation Category 1B                                                                                          |
| Skin Irrit. 2 | Skin Corrosion / Irritation Category 2                                                                                           |

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.