



**SAFETY DATA SHEET**  
KNOCK OUT MOULD STAIN CLEANER

Page: 1

Compilation date: 02/09/2016

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Revision No: 2

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** \* KNOCK OUT MOULD STAIN CLEANER

**Product code:** \* KOMSGEN

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

**Use of substance / mixture:** \* Consumer Use. Professional Use. Industrial Use. Stain Cleaner Unique Formula Identifier (UFI) in accordance with Commission Regulation (EU) No 2017/542. UFI: G420-H0WK-800Y-X78S

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

**Company name:** J.V. Barrett & Co Ltd

St Ivel Way

Warmley

Bristol

BS30 8TY

United Kingdom

**Tel:** 01179600060

**Fax:** 01179352437

**Email:** [sales@barrettine.co.uk](mailto:sales@barrettine.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.) +44 (0) 1270 502891 (Out of hours emergency number)

**Section 2: Hazards identification**

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

**Classification under CLP:** Aquatic Acute 1: H400; Skin Corr. 1A: H314; -: EUH031

**Most important adverse effects:** Causes severe skin burns and eye damage. Very toxic to aquatic life. Contact with acids liberates toxic gas.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** \* H314: Causes severe skin burns and eye damage.

[cont...]

# SAFETY DATA SHEET

## KNOCK OUT MOULD STAIN CLEANER

Page: 2

H400: Very toxic to aquatic life.

EUH031: Contact with acids liberates toxic gas.

**Hazard pictograms:** GHS07: Exclamation mark

GHS09: Environmental



**Signal words:** Warning

**Precautionary statements:** \* P102: Keep out of reach of children.

P103: Read label before use.

P221: Take any precaution to avoid mixing with other chemical substrates

P405: Store locked up.

P280: Wear protective gloves/protective clothing/eye and face protection.

P264: Wash hands and exposed skin thoroughly after handling.

P260: Do not breathe spray.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P391: Collect spillage.

P501: Dispose of contents/container to a special waste collection point in accordance with local regulations.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

SODIUM HYPOCHLORITE SOLUTION CL ACTIVE - REACH registered number(s): 01-2119488154-34-XXXX

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|--------|-----|-----------|--------------------|---------|
|--------|-----|-----------|--------------------|---------|

[cont...]

# SAFETY DATA SHEET

## KNOCK OUT MOULD STAIN CLEANER

Page: 3

|           |           |   |                                                       |       |
|-----------|-----------|---|-------------------------------------------------------|-------|
| 231-668-3 | 7681-52-9 | - | Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031 | 1-10% |
|-----------|-----------|---|-------------------------------------------------------|-------|

N,N-DIMETHYLTETRADECYLAMINE N-OXIDE - REACH registered number(s): 01-2119949262-37-XXXX

|           |           |   |                                                                                                           |       |
|-----------|-----------|---|-----------------------------------------------------------------------------------------------------------|-------|
| 222-059-3 | 3332-27-2 | - | Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Acute Tox. 4: H302; Skin Irrit. 2: H315 | 1-10% |
|-----------|-----------|---|-----------------------------------------------------------------------------------------------------------|-------|

### Section 4: First aid measures

#### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

[cont...]

# SAFETY DATA SHEET

## KNOCK OUT MOULD STAIN CLEANER

Page: 4

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

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

[cont...]

# SAFETY DATA SHEET

## KNOCK OUT MOULD STAIN CLEANER

Page: 5

**Hazardous ingredients:**

**SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA | 15 min. STEL       | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------------|------------|--------------|
| UK    | -          | 0.5 ppm (1.5mg/m3) | -          | -            |

**DNEL/PNEC Values**

**Hazardous ingredients:**

**SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE**

| Type | Exposure                           | Value      | Population         | Effect   |
|------|------------------------------------|------------|--------------------|----------|
| DNEL | Inhalation (repeated dose)         | 1.55 mg/m3 | Workers            | Systemic |
| DNEL | Inhalation (repeated dose)         | 1.55 mg/m3 | General Population | Systemic |
| DNEL | Inhalation                         | 3.1 mg/m3  | Workers            | Local    |
| DNEL | Inhalation                         | 3.1 mg/m3  | General Population | Local    |
| DNEL | Inhalation (repeated dose)         | 1.55 mg/m3 | Workers            | Systemic |
| DNEL | Inhalation (repeated dose)         | 1.55 mg/m3 | General Population | Systemic |
| DNEL | Inhalation                         | 3.1 mg/m3  | Workers            | Local    |
| DNEL | Inhalation                         | 3.1 mg/m3  | General Population | Local    |
| DNEL | Oral (repeated dose)               | 260 µg/kg  | General Population | Systemic |
| PNEC | Fresh water                        | 210 ng/l   | -                  | -        |
| PNEC | Marine water                       | 42 ng/l    | -                  | -        |
| PNEC | Microorganisms in sewage treatment | 4.69 mg/l  | -                  | -        |

**N,N-DIMETHYLTETRADECYLAMINE N-OXIDE**

| Type | Exposure              | Value          | Population         | Effect   |
|------|-----------------------|----------------|--------------------|----------|
| DNEL | Inhalation            | 6.2 mg/m3      | Workers            | Systemic |
| DNEL | Dermal                | 11mg/Kg/day    | Workers            | Systemic |
| DNEL | Inhalation            | 1.53 mg/m3     | General Population | Systemic |
| DNEL | Dermal                | 5.5 mg/Kg/day  | General Population | Systemic |
| DNEL | Oral                  | 0.44 mg/Kg/day | General Population | Systemic |
| PNEC | Fresh water           | 0.0335mg/L     | -                  | -        |
| PNEC | Marine water          | 0.00335 mg/L   | -                  | -        |
| PNEC | Marine sediments      | 0.0335mg/L     | -                  | -        |
| PNEC | Fresh water sediments | 5.24 mg/Kg     | -                  | -        |
| PNEC | Marine sediments      | 0.524 mg/Kg    | -                  | -        |
| PNEC | Soil (agricultural)   | 1.02 mg/Kg     | -                  | -        |

[cont...]

# SAFETY DATA SHEET

## KNOCK OUT MOULD STAIN CLEANER

Page: 6

|      |                                    |          |   |   |
|------|------------------------------------|----------|---|---|
| PNEC | Microorganisms in sewage treatment | 24 mg/Kg | - | - |
|------|------------------------------------|----------|---|---|

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Environmental:** The floor of the storage room must be impermeable to prevent the escape of liquids.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Chlorine. Bleach

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Soluble

**Boiling point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**Flash point°C:** No data available.

**Autoflammability°C:** No data available.

**Relative density:** 1.04

**VOC g/l:** No data available.

**Melting point/range°C:** No data available.

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** >12

### 9.2. Other information

**Other information:** Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

[cont...]

# SAFETY DATA SHEET

## KNOCK OUT MOULD STAIN CLEANER

Page: 7

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | 20000 | mg/kg |
| ORAL   | RAT | LD50 | 1100  | mg/kg |
| ORL    | MUS | LD50 | 5800  | mg/kg |

#### N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

|        |     |      |      |       |
|--------|-----|------|------|-------|
| DERMAL | RAT | LD50 | 2000 | mg/kg |
|--------|-----|------|------|-------|

**Relevant hazards for product:**

| Hazard                        | Route | Basis                 |
|-------------------------------|-------|-----------------------|
| Skin corrosion/irritation     | DRM   | Hazardous: calculated |
| Serious eye damage/irritation | OPT   | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

[cont...]

# SAFETY DATA SHEET

## KNOCK OUT MOULD STAIN CLEANER

Page: 8

### Hazardous ingredients:

#### SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE

|         |          |          |      |
|---------|----------|----------|------|
| DAPHNIA | 96H LC50 | 0.01-0.1 | mg/l |
| FISH    | 48H EC50 | 0.01-0.1 | mg/l |

#### N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

|         |          |      |      |
|---------|----------|------|------|
| ALGAE   | 48H EC50 | 0.19 | mg/l |
| DAPHNIA | 48H EC50 | 2.64 | -    |
| FISH    | 96H LC50 | 2.4  | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** \* Biodegradable in part only.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** \* Not established.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** \* Very toxic to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1908

### 14.2. UN proper shipping name

**Shipping name:** CHLORITE SOLUTION  
(SODIUM HYPOCHLORITE SOLUTION; N,N-DIMETHYLTETRADECYLAMINE N-OXIDE)

### 14.3. Transport hazard class(es)

**Transport class:** 8

[cont...]



# SAFETY DATA SHEET

## KNOCK OUT MOULD STAIN CLEANER

Page: 9

### 14.4. Packing group

Packing group: III

### 14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

### 14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

## Section 15: Regulatory information

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

Specific regulations: Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH031: Contact with acids liberates toxic gas.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.