

## SAFETY DATA SHEET

BIO SPIRIT

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Compilation date: 16/03/2015

Revision date: 07/12/2017

Revision No: 2

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

#### 1.1. Product identifier

Product name: BIO SPIRIT

Product code: BISPGEN

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

Use of substance / mixture: Consumer Use. Professional Use. For use in the cleaning of brushes and rollers used in painting and decorating. General cleaning.

#### 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 672222 (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: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

#### 2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark



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**Signal words:** Warning

**Precautionary statements:** P102: Keep out of reach of children.  
P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical advice/attention.  
P501: Dispose of contents/container to local/regional/national/international 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:

(2-METHOXYMETHYLETHOXY)PROPANOL - REACH registered number(s): 01-2119450011-60-XXXX

| EINECS    | CAS        | PBT / WEL  | CLP Classification | Percent |
|-----------|------------|--|--------------------|---------|
| 252-104-2 | 34590-94-8 | Substance with a Community workplace exposure limit. | -                  | 1-10%   |

SODIUM XYLENESULPHONATE - REACH registered number(s): 01-2119513350-56-XXXX

|           |           |   |                    |       |
|-----------|-----------|---|--------------------|-------|
| 215-090-9 | 1300-72-7 | - | Eye Irrit. 2: H319 | 1-10% |
|-----------|-----------|---|--------------------|-------|

POLY(OXY-1,2-ETHANEDIYL)-,TRIDE CYL-HYDROXY-,BRANCHED - REACH registered number(s): ANNEX V EXEMPT

|           |            |   |   |       |
|-----------|------------|---|---|-------|
| 931-138-8 | 69011-36-5 | - | Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412 | 1-10% |
|-----------|------------|---|---|-------|

2,2'-IMINODIETHANOL - REACH registered number(s): 01-2119488930-28-XXXX

|           |          |   |  |     |
|-----------|----------|---|--|-----|
| 203-868-0 | 111-42-2 | - | Acute Tox. 4: H302; STOT RE 2: H373; Skin Irrit. 2: H315; Eye Dam. 1: H318 | <1% |
|-----------|----------|---|--|-----|

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

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

**Ingestion:** Wash out mouth with water.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

[cont...]

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**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**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:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Foam. Carbon dioxide. Dry chemical powder. Sand. Do not use water jet

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

**Exposure hazards:** 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:** 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.

### 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:** 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. 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.

### 7.3. Specific end use(s)

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

[cont...]

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## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

Hazardous ingredients:

#### (2-METHOXYMETHYLETHOXY)PROPANOL

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA            | 15 min. STEL |
|-------|------------|--------------|-----------------------|--------------|
| UK    | -          | -            | 308 mg/m <sup>3</sup> | -            |

#### 2,2'-IMINODIETHANOL

|    |                      |   |   |   |
|----|----------------------|---|---|---|
| UK | 13 mg/m <sup>3</sup> | - | - | - |
|----|----------------------|---|---|---|

### DNEL/PNEC Values

Hazardous ingredients:

#### (2-METHOXYMETHYLETHOXY)PROPANOL

| Type | Exposure                           | Value                  | Population         | Effect   |
|------|------------------------------------|------------------------|--------------------|----------|
| DNEL | Inhalation (repeated dose)         | 37.2 mg/m <sup>3</sup> | General Population | Systemic |
| DNEL | Inhalation (repeated dose)         | 308mg/m <sup>3</sup>   | Workers            | Systemic |
| DNEL | Dermal (repeated dose)             | 283 mg/kg bw/day       | Workers            | Systemic |
| DNEL | Dermal (repeated dose)             | 121 mg/kg bw/day       | General Population | Systemic |
| DNEL | Oral (repeated dose)               | 36 mg/kg bw/day        | General Population | Systemic |
| PNEC | Fresh water                        | 19 mg/l                | -                  | -        |
| PNEC | Marine water                       | 1.9 mg/l               | -                  | -        |
| PNEC | Microorganisms in sewage treatment | 4.168 g/l              | -                  | -        |
| PNEC | Fresh water sediments              | 70.2 mg/kg             | -                  | -        |
| PNEC | Marine sediments                   | 7.02 mg/l              | -                  | -        |
| PNEC | Soil (agricultural)                | 2.74 mg/kg             | -                  | -        |

#### SODIUM XYLENESULPHONATE

| Type | Exposure                   | Value                  | Population         | Effect   |
|------|----------------------------|------------------------|--------------------|----------|
| DNEL | Inhalation (repeated dose) | 26.9 mg/m <sup>3</sup> | Workers            | Systemic |
| DNEL | Inhalation (repeated dose) | 6.6 mg/m <sup>3</sup>  | General Population | Systemic |
| DNEL | Dermal (repeated dose)     | 136.25 mg/kg bw/day    | Workers            | Systemic |
| DNEL | Dermal (repeated dose)     | 68.1 mg/kg bw/day      | General Population | Systemic |
| DNEL | Dermal (repeated dose)     | 96 µg/cm <sup>2</sup>  | Workers            | Local    |
| DNEL | Dermal (repeated dose)     | 48 µg/cm <sup>2</sup>  | General Population | Local    |
| DNEL | Oral (repeated dose)       | 3.8 mg/kg bw/day       | General Population | Systemic |
| PNEC | Fresh water                | 230 µg/l               | -                  | -        |
| PNEC | Marine water               | 23 µg/l                | -                  | -        |

[cont...]

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|      |                                    |            |   |   |
|------|------------------------------------|------------|---|---|
| PNEC | Microorganisms in sewage treatment | 100 mg/l   | - | - |
| PNEC | Fresh water sediments              | 862 µg/kg  | - | - |
| PNEC | Marine sediments                   | 86.2 µg/kg | - | - |
| PNEC | Soil (agricultural)                | 370 µg/kg  | - | - |

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

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

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Detergent like.

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Miscible in all proportions

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

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

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

**upper:** No data available.

**Flash point°C:** No data available.

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

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

**Vapour pressure:** No data available.

**Relative density:** 1.012

**pH:** No data available.

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

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

**Chemical stability:** No data available.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** No data available.

### 10.4. Conditions to avoid

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

[cont...]

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## 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Strong bases.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### (2-METHOXYMETHYLETHOXY)PROPANOL

|         |     |         |       |                   |
|---------|-----|---------|-------|-------------------|
| DERMAL  | RAT | 4H LC50 | >5800 | mg/m <sup>3</sup> |
| DERMAL  | RAT | NOAEL   | 2850  | mg/kg             |
| ORAL    | RAT | NOAEL   | 1000  | mg/kg             |
| ORAL    | RAT | NOEL    | 200   | mg/kg             |
| VAPOURS | RAT | 7H LC50 | 275   | ppmV              |
| VAPOURS | RAT | NOAEL   | 200   | ppmV              |

#### SODIUM XYLENESULPHONATE

|         |     |      |      |       |
|---------|-----|------|------|-------|
| DERMAL  | RBT | LD50 | 2000 | mg/kg |
| ORAL    | RAT | LD50 | 7000 | mg/kg |
| VAPOURS | RAT | LD50 | 6.41 | mg/l  |

#### POLY(OXY-1,2-ETHANEDIYL)-TRIDE CYL-HYDROXY-,BRANCHED

|        |     |      |           |       |
|--------|-----|------|-----------|-------|
| DERMAL | RBT | LD50 | >2000     | mg/kg |
| ORAL   | RAT | LD50 | >300-2000 | mg/kg |

#### 2,2'-IMINODIETHANOL

|     |     |      |      |       |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 778  | mg/kg |
| ORL | MUS | LD50 | 3300 | mg/kg |
| ORL | RAT | LD50 | 620  | µl/kg |
| SCU | RAT | LD50 | 2200 | mg/kg |

**Relevant hazards for product:**

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

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### (2-METHOXYMETHYLETHOXY)PROPANOL

|  |          |       |      |
|--|----------|-------|------|
| Daphnia magna                          | 48H LC50 | 1919  | mg/l |
| FISH                                   | 96H LC50 | >1000 | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 96H EC50 | >969  | mg/l |

#### SODIUM XYLENESULPHONATE

|         |          |     |      |
|---------|----------|-----|------|
| ALGAE   | 48H EC50 | 230 | mg/l |
| DAPHNIA | 48H EC50 | 1   | g/l  |
| FISH    | 96H LC50 | 1   | g/l  |

#### POLY(OXY-1,2-ETHANEDIYL),-TRIDE CYL-HYDROXY-,BRANCHED

|  |          |       |      |
|--|----------|-------|------|
| CARP (Cyprinus carpio)                 | 96H LC50 | >1-10 | mg/l |
| DAPHNIA                                | 48H EC50 | >1-10 | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 72H EC50 | >1-10 | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** No data available.

### 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:** Avoid release to the environment.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Dispose of in accordance with Local Authority requirements.

**Waste code number:** 20 01 29

**Disposal of packaging:** Dispose of in accordance with Local Authority requirements.

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

[cont...]

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## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## 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:** H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H412: Harmful 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.