

## Serviceblend BIO

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name Serviceblend BIO  
CAS No. Mixture: not applicable.  
EC No. Mixture: not applicable.

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

Identified Use(s) Biocide for industrial water treatment  
Uses Advised Against Anything other than the above or as directed by the supplier.

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

Supplier  
Company Identification Blended Products Limited  
Address of Supplier Elsham Wold Industrial Estate  
Brigg  
North Lincolnshire  
Postal code DN20 0SP  
Telephone: +44 (0) 1652 680555  
E-mail technical@blendedproducts.com

#### 1.4 Emergency telephone number

Emergency Phone No. +44 (0) 1652 680555 (please use 'Option 4' for 24hr chemical/stock emergency number)  
Contact See emergency contact details above.

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Aquatic Acute 1 :Very toxic to aquatic life.  
Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)  
Product Name Coolblend Bioclean

Hazard Pictogram(s)



GHS09

Signal Word(s) Warning

Hazard Statement(s) H410: Very toxic to aquatic life with long lasting effects.

## Serviceblend BIO

Precautionary Statement(s) P273: Avoid release to the environment.  
P391: Collect spillage  
P501: Dispose of contents in accordance with local, state or national legislation.

### 2.3 Other hazards

None known.

### 2.4 Additional Information

For full text of H/P Statements see section 16.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

| HAZARDOUS INGREDIENT(S)        | CAS No.  | EC No. / REACH Registration No.     | %W/W       | Hazard Statement(s)                            | Hazard Pictogram(s) |
|--------------------------------|----------|-------------------------------------|------------|--|---------------------|
| sodium dimethyldithiocarbamate | 128-04-1 | 204-876-7<br>01-2119543694- 32-XXXX | 30-<br>50% | Aquatic Acute 1 H400<br>Aquatic Chronic 2 H411 | GHS09               |

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation Treat symptomatically.  
Skin Contact Treat symptomatically.  
Eye Contact Treat symptomatically.  
Ingestion Treat symptomatically.

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

None anticipated. Treat symptomatically.

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

Unlikely to be required but if necessary treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.  
Unsuitable extinguishing media None.

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

Heating may cause decomposition.

### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

## Serviceblend BIO

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

#### 6.2 Environmental precautions

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

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

Collect spillage. Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

#### 6.4 Reference to other sections

See Also Section 8, 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

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

|                        |                                 |
|------------------------|---------------------------------|
| Storage temperature    | Ambient.                        |
| Storage life           | Stable under normal conditions. |
| Incompatible materials | None known.                     |

#### 7.3 Specific end use(s)

Not known.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

#### 8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Not normally required, observe good hygiene practices.



Respiratory protection

Normally no personal respiratory protection is necessary.

## Serviceblend BIO



Thermal hazards      None known.

8.2.3. Environmental Exposure Controls      Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|  |   |
|--|---|
| Appearance                                   | Liquid.   |
|  | Colour : Colourless   |
| Odour  | Characteristic  |
| Odour threshold                              | Not known.  |
| pH   | Not known.  |
| Melting point/freezing point                 | Not known.  |
| Initial boiling point and boiling range      | Not known.  |
| Flash Point                                  | Not known.  |
| Evaporation rate                             | Not known.  |
| Flammability (solid, gas)                    | Not known.  |
| Upper/lower flammability or explosive limits | Not known.  |
| Vapour pressure                              | Not known.  |
| Vapour density                               | Not known.  |
| Density (g/ml)                               | 1.8   |
| Relative density                             | Not known.  |
| Solubility(ies)                              | Solubility (Water) : Soluble<br>Solubility (Other) : Not known. |
| Partition coefficient: n-octanol/water       | Not known.  |
| Auto-ignition temperature                    | Not known.  |
| Decomposition Temperature (°C)               | Not known.  |
| Viscosity                                    | Not known.  |
| Explosive properties                         | Not explosive   |
| Oxidising properties                         | Not oxidising   |

#### 9.2 Other information

None.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

None anticipated.

#### 10.2 Chemical Stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

#### 10.4 Conditions to avoid

## Serviceblend BIO

None anticipated.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

|                                |                 |
|--------------------------------|-----------------|
| Acute toxicity - Ingestion     | Not classified. |
| Acute toxicity - Skin Contact  | Not classified. |
| Acute toxicity - Inhalation    | Not classified. |
| Skin corrosion/irritation      | Not classified. |
| Serious eye damage/irritation  | Not classified. |
| Skin sensitization data        | Not classified. |
| Respiratory sensitization data | Not classified. |
| Germ cell mutagenicity         | Not classified. |
| Carcinogenicity                | Not classified. |
| Reproductive toxicity          | Not classified. |
| Lactation                      | Not classified. |
| STOT - single exposure         | Not classified. |
| STOT - repeated exposure       | Not classified. |
| Aspiration hazard              | Not classified. |

### 11.2 Other information

Not known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

|                                    |   |
|------------------------------------|---|
|                                    | Very toxic to aquatic life with long lasting effects. |
| Toxicity - Aquatic invertebrates   | Not known.  |
| Toxicity - Fish                    | Not known.  |
| Toxicity - Algae                   | Not known.  |
| Toxicity - Sediment Compartment    | Not classified.                                       |
| Toxicity - Terrestrial Compartment | Not classified.                                       |

### 12.2 Persistence and Degradation

Not known.

### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF) : 0.84

### 12.4 Mobility in soil

Not known.

### 12.5 Results of PBT and vPvB assessment

Not known.

### 12.6 Other adverse effects

Not known.

## Serviceblend BIO

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Dispose of this material and its container to hazardous or special waste collection point.

Dispose at suitable refuse site.

#### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

UN No. 3082

#### 14.2 UN proper shipping name

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### 14.3 Transport hazard class(es)

##### ADR/RID

ADR/RID Class 9  
 ADR Classification Code M6  
 Special Provisions 274 335 375 601  
 Limited Quantities 5 L  
 Excepted Quantities E1  
 Emergency Action Code •3Z  
 Mixed Packing Instructions for Packages P001 IBC03 LP01 R001  
 Special Packing Provisions for Packages PP1  
 Mixed Packing Instructions for Packages MP19  
 Packing Instructions for Portable Tanks T4  
 Special Provisions for Portable Tanks TP1 TP29  
 Tank Code for Tanks LGBV  
 Special Provisions for Tanks

Vehicle for Tank Carriage AT  
 ADR Transport Category 3  
 Tunnel Restriction Code -  
 Special Provisions for Carriage - Packages V12  
 Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, CV13

##### Unloading and Handling

Special Provisions for Carriage - Operation

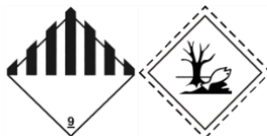
ADR HIN 90

##### IMDG

IMDG Class 9  
 Special Provisions 274 335 375 601  
 Limited Quantities 5 L  
 Excepted Quantities E1

## Serviceblend BIO

|   |   |
|---|---|
| Mixed Packing Instructions for Packages | P001 IBC03 LP01 R001                                |
| Special Packing Provisions for Packages | PP1   |
| Packing Instructions for Portable Tanks | T4  |
| Special Provisions for Portable Tanks   | TP1 TP29  |
| IMDG EMS                                | F-A S-F   |
| Stowage and Handling                    | Category A  |
| Segregation                             | No specific segregation provisions listed.          |
| Marine Pollutant                        | Yes   |
| ICAO/IATA                               |   |
| IATA Proper Shipping Name               | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Excepted Quantities                     | E1  |
| Passenger and Cargo Aircraft Limited    | Y964  |
| Quantities Packing Instructions         |   |
| Passenger and Cargo Aircraft Limited    | 30Kg G  |
| Quantities Max net Qty                  |   |
| Passenger and Cargo Aircraft Packing    | 964   |
| Instructions                            |   |
| Passenger and Cargo Aircraft Max net    | 450L  |
| Qty                                     |   |
| Cargo Aircraft Packing Instructions     | 964   |
| Cargo Aircraft Max net Qty              | 450L  |
| Special Provisions                      | A97, A158 A197                                      |
| Emergency Response Guidebook (ERG)      | 9L  |
| Code                                    |   |
| Labels                                  |   |
| Labels                                  | 9   |



### 14.4 Packing group

Packing group III

### 14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

### 14.6 Special precautions for user

Special precautions for user Note the terms of ADR special provision 375, IATA A197 and the IMDG Code 2.10.2.7 may exempt packagings of 5L or less from the transport regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Bulk transport by sea is not anticipated.

## SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances Not listed

subject to authorisation

## Serviceblend BIO

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

### National regulations

Other Not known.

### 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

### LEGEND

Hazard Pictogram(s)



GHS09

Hazard classification

Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1  
Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Hazard Statement(s)

H400: Very toxic to aquatic life.  
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P273: Avoid release to the environment.  
P391: Collect spillage.  
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS : Chemical Abstracts Service



## Serviceblend BIO

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
IATA : International Air Transport Association  
IBC : Intermediate Bulk Container  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

### Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Blended Products Limited gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Blended Products Limited accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.