

**1. DESCRIPTION / PROPERTIES (nature, reactivity):**

Bio Blue® is completely soluble and highly effective biological washroom cleaner containing a blend of surfactants and a blend of non-pathogenic micro-organisms and free enzymes that produce an enzymatic activity to degrade organic matter and uric salts. Bio Blue® works by degrading organic soiling to completely eradicate stain and odors. Bio Blue® can be used on porous washroom surfaces such as flooring materials and tile grouting and especially around urinals and toilets where soiling has been absorbed below the surface.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Non pathogenic organisms – NOT CLASSIFIED AS HAZARDOUS

HAZARDOUS COMPONENTS	% w/w	Symbol	R Phrases	CAS No
Proprietary Blend of Bacteria	< 0.5	-	-	-
Fatty alcohol amide	< 0.2	Xi	R41	00139-89-9
Fatty Alcohol Ehtoxylate	< 5.0	Xn	R22	68439-46-3
Perfume	< 0.5	-	-	-
Citric acid + Mild acid	< 0.1	Xi	R36	64-02-8
Colour	Q.S.	-	-	-

Components non listed are either non hazardous or in concentration of 1% w/w or less than 1% w/w

**3. HAZARD IDENTIFICATION****a) Fire/Explosion Hazard (stability, flammability, combustion products):**

Not classified as flammable or combustible material. Aqueous suspension.

**b) Health Hazard (inhalation, ingestion, contact with skin or eyes):**

Not classified as hazardous for use. May cause irritation on prolonged or repeated skin contact. As with all surface-active chemicals, care should be taken to avoid prolonged skin contact. Low risk from inhalation. Low order of acute oral toxicity but do not ingest.

**c) Environmental Hazard:** Not classified as hazardous to the environment.**4. FIRST AID MEASURES****INHALATION-**

Very low risk in normal usage since product is non-volatile. Mist may cause irritation to the respiratory tract. If affected, remove to fresh air, keep warm and at rest. Obtain medical attention in severe cases

**SKIN CONTACT-**

Avoid unnecessary contact and keep away from broken skin or open wounds. Wash thoroughly all affected areas with soap and water. Remove contaminated clothing and launder before re-use. Wash hands before eating or drinking.

**EYE CONTACT –** Irrigate with plenty of clean running water. Seek medical attention if irritation persists.

**INGESTION –**

Do not swallow, rinse out mouth with water. Do not induce vomiting. If swallowed in quantity seek medical attention as a precautionary measure. Material may cause stomach disorder. Irritation of the mouth, pharynx esophagus and stomach can develop following significant ingestion.

**5. FIRE FIGHTING MEASURES****Suitable extinguishing media:**

Since the product is not combustible or flammable, if involved in a fire, use extinguishing media appropriate to the source of the fire.

**Protection for fire fighters:** Wear self-contained breathing apparatus. Wear protective clothing.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions:**

Mark contaminated area with signs and prevent access to unauthorised personnel.

**Environmental Precautions:**

Product is not environmentally hazardous, on the contrary it favours digestion of oils and greases in sewers and waste water treatment facilities.

**Clean up Procedures:** Disperse spillages with large excess of water.

### 7. HANDLING AND STORAGE

**Handling:** After handling wash hands with soap and water.

**Storage:**

May be stored for period of one year in plastic containers as supplied.

Avoid temperatures above 45°C and protect from frost.

Keep in cool and dry place. Use in 8 hours of dilution.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls** : Provide eyewash station

**Personal Protection**

**Hand** : Use of rubber gloves recommended.

**Eyes** : Use of safety glasses recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Density** : 1.02 **Appearance** : Blue

**Vapour Pressure** : Not Available.

**Solubility in water** : Completely Miscible

**pH Value** – : 7.00 - 8.00

### 10. STABILITY AND REACTIVITY

**Stability** : Stable.

**Materials to avoid** : Avoid contact with strong oxidisers. Strong acids or alkalis may render the product inactive.

**Temperature** : Avoid extremes of temperatures

### 11. TOXICOLOGICAL INFORMATION

**Health Effects:**

**Respiratory** : Mist may cause irritation to the respiratory tract.

**Skin** : May cause irritation on prolonged or repeated skin contact.

**Eyes** : May cause irritation.

**Ingestion** : May cause irritation in mouth, throat, stomach and intestinal canal. Contains non-pathogenic bacterial cultures.

### 12. ECOLOGICAL INFORMATION

**Degradability** : All components are readily biodegradable.

**Bioaccumulation** : No bioaccumulation is expected.  
The product is biodegradable and water-soluble.

### 13. DISPOSAL CONSIDERATION

**Disposal methods:** Dispose of under Local Authority Guidelines.

### 14. TRANSPORT INFORMATION:

 Not classified as dangerous for transport.

### 15. REGULATORY INFORMATION:

 Not classified as hazardous for use.

**Regulatory Information:**

Safety Phrases: S2 Keep out of reach of children.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S46 If swallowed seek medical attention and show the container or label

### 16. OTHER INFORMATION

Biological washroom cleaner

**PLEASE NOTE:**

The information in this Safety Data Sheet is based upon knowledge available at the time of compilation. It is intended to describe the product only in terms of Health & Safety requirements. It does not signify any warranty with regards to specific properties or specifications.