

Triple Blue

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 Issued: 23/08/2019, Revision No: 2
 Regulation (EC) No. 453/2010

1. IDENTIFICATION OF SUBSTANCE / MIXTURE OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**
 Material name: Triple Blue
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Product use: Toilet cleaner and descaler.
- 1.3 Details of the supplier of the safety data sheet**
 Manufacturer / Supplier: IMG Ltd.,
 Unit M
 Riverside Industrial Estate
 Fazeley
 Tamworth
 B78 3RW
- Telephone: 01827 283322
 Fax: 01827 250143
 Email (for SDS): sales@img-limited.co.uk
- 1.4 Emergency tel. no:** 01827 283322 (Available from 8.30 – 17.00 hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical hazards Not classified
 Human Health Eye Dam.1; H318
 Environment Aquatic Chronic 3; H412

2.2 Label elements

Label according to EC Directives: 1272/2008/EC:

Signal word: Danger

Pictogram(s):  Contains: Lactic acid, alcohol ethoxylate

Hazard Statements: H318 Causes serious eye damage.

Precautionary Statements: P280 Wear protective gloves/protective clothing/eye protection/ face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components:

Chemical Name	CAS.No/ EC No./ Reg.No	Classification (1272/2008/EC)	Content
Lactic acid	CAS: 79-33-4 EC: 201-196-2 REACH: 01-2119474164-39	Skin Irr.2; H315 Eye Dam.1; H318	1-10%
Phosphoric acid...%	CAS: 7664-38-2 EC: 231-633-2 REACH: 01-2119485924-24	Skin Corr.1B; H314	1-10%
Isopropanol (Propan-2-ol)	CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25	Flam. Liq.2; H225 Eye Irr.2; H319 STOT SE 3; H336	0-0.5%
Alcohol Ethoxylate	CAS: 68439-46-3	Acute Tox. 4; H302 Eye Dam.1; H318	1-10%
Benzyl C12-18 Alkyldimethyl Chlorides	CAS: 68424-85-1 EC: 270-325-2 REACH: 01-2119970550-39	Acute Tox.4; H302 Skin Corr.1B; H314 Eye Dam.1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0-0.5%
Glyoxal	CAS: 107-22-2 EC: 203-474-9	Muta.2; H341 Acute Tox.4; H332 Skin Irr.2; H315 Eye Irr.2; H319 Skin Sens.1; H317	0-0.5%

Ingredient comments: Aqueous solution; also contains a small amount of cellulose thickener and fragrance.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off contaminated clothing and shoes / boots immediately. Never give anything by mouth to an unconscious person.

Eye contact: Irritating to eyes. Rinse with water for 10 minutes and seek **immediate** medical advice.

Inhalation: No undue effects in normal circumstances, if affected remove to fresh air and seek medical advice.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin with prolonged or repeated contact. May cause eye damage.

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4.3 Indication of any immediate medical attention and special treatment needed: See skin and eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Product is non-flammable, use appropriate extinguishing media for the surrounding area.

Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture

Irritating / toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters

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

Further information: Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform the local authorities.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible, inert, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Flush spillage site with water.

6.4 Reference to other sections

See section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Handle with care. General good housekeeping practices. Do not eat and drink whilst using the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and well-ventilated area. Keep container tightly closed.

7.3 Specific end use(s) – No information available.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical Name	8hr TWA	15min STEL	Reference
Phosphoric acid...%	1 mg/m ³	2 mg/m ³	Supplier
Cellulose	10 mg/m ³	20 mg/m ³	Supplier
Isopropanol (Propan-2-ol)	400 ppm 999 mg/m ³	500 ppm 1250 mg/m ³	Supplier

DNEL/ PNEC: No information available.

8.2 Exposure controls

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

Personal Protective Equipment

Hand protection: Protective gloves; check with glove manufacturer for specific advice.

Eye protection: Tightly fitting, approved safety glasses.

Skin protection: Protective overalls.

Respiratory protection: Unlikely to be necessary.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour:	Liquid, blue.
Odour:	Pleasant.
Odour threshold:	No data available.
Flammability:	Non-flammable.
Flash point:	Not applicable.
Lower explosion limit:	Not applicable.
Upper explosion limit:	Not applicable.
Explosive properties:	Not explosive.
Thermal decomposition:	No data available.
Auto-ignition temperature:	Not applicable.
Oxidising properties:	Non-oxidising.
Solubility in water:	Miscible.
Solubility in other solvents:	Not determined.
pH:	1 - 3.
Melting point / range:	Not determined.
Boiling point / range:	Not determined.
Relative Density:	1.03 – 1.07
Vapour pressure:	No data available.
Vapour density:	No data available.
Partition coefficient: n-octanol / water:	No data available.
Viscosity (kinematic):	No data available.

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Evaporation rate: No data available.

9.2 Other information No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended transport and storage conditions.
10.2 Chemical stability	Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	None if stored and used as direct.
10.4 Conditions to avoid	Excessive heat for prolonged periods.
10.5 Incompatible materials	Keep away from the following materials; strong bases, metals.
10.6 Hazardous decomposition products	Decomposition products may include the following materials; oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Chemical Name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Benzyl C12-18 Alkyldimethyl Chlorides	200-2000mg/kg (Rat)	No data available	No data available
Lactic acid	3543 mg/kg (Rat)	No data available	2000 mg/kg (Rabbit)

Symptoms / routes of exposure

Skin corrosion / irritation:	Irritating to skin.
Serious eye damage / irritation:	Irritating to eyes. May cause damage.
Respiratory or skin sensitisation:	No evidence of sensitisation.
Repeated dose toxicity:	No data available.
Carcinogenicity:	Not carcinogenic.
Mutagenicity:	Not mutagenic.
Toxicity for reproduction:	Not expected to impair fertility.
Specific target organ toxicity (STOT):	No data available.

Further information: No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
Lactic acid	Daphnia	EC50 48h	130,000 mg/l
	Bluegill sunfish	LC50 96h	130 mg/l

12.2 Persistence and degradability	Expected to be biodegradable.
12.3 Bioaccumulative potential	No bioaccumulation potential.
12.4 Mobility in soil	Soluble in water.
12.5 Results of PBT and vPvB assessment	This product is not identified as a PBT/vPvB substance.
12.6 Other adverse effects	No data available.

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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with local/national regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport purposes. UN number not required.

15. REGULATORY INFORMATION

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical safety assessments / reports are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals) as amended and Regulation EU 453/2010.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data / Expert judgement

Health hazards: Calculation method

Environmental hazards: Calculation method

Full text of H-statements referred to under Sections 2 and 3

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H225 Highly flammable liquid and vapour.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.

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- H341 Suspected of causing genetic defects.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

- CAS: Chemical Abstract Service (division of the American Chemical Society) – Section 3.
- STOT: Single Target Organ Toxicity – Section 11.
- DNEL: Derived No Effect Level – Section 8.
- PNEC: Predicted No Effect Concentration – Section 8.
- TWA: Time Weighted Average – Section 8.
- STEL: Short Term Exposure Limit – Section 8.
- LC50: Lethal Concentration, 50 percent – Section 11/12.
- LD50: Lethal Dose, 50 percent – Section 11.
- EC50: Estimated Concentration, 50 percent – Section 12.
- PBT: Persistent, Bioaccumulative, Toxic – Section 12.
- VPvB: Very Persistent and very Bioaccumulative – Section 12.

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

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