

Multi Clean

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

1.1 Product Identifier

Material name : Multi Clean
 Product code :

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

Product use : Multi surface cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: IMG Ltd.,
 Unit M
 Riverside Industrial Estate
 Fazeley
 Tamworth
 B78 3RW

Tel. : 01827 283322
 Fax. : 01827 250143

Email (for SDSs) : sales@img-limited.co.uk

1.4 Emergency tel. no. : 01827 283322 (Available from 08.30 – 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	Sk. Corr.1B; H314; Eye Dam.1; H318
Environment	Not classified

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Danger

Contains Disodium metasilicate, Alcohols C6-C12, ethoxylated.

Pictogram(s):



Hazard Statements: H314 Causes severe skin burns and eye damage.

Precautionary Statements:

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor
P501	Dispose of contents/container in accordance with local/national regulations.

Multi Clean

2.3 Other hazards May be corrosive to metals.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
2-BUTOXYETHANOL	111-76-2 203-905-0 01-2119475108-36-xxxx	Acute Tox.4; H302 Acute Tox.4; H312 Acute Tox.4; H332 Sk. Irrit.2; H315 Eye Irrit.2, H319	1-5%
SODIUM CARBONATE	497-19-8 207-838-8 01-2119485498-19-xxxx	Eye Irrit.2; H319	1-5%
DISODIUM METASILICATE	6834-92-0 229-912-9 01-2119449811-37-xxxx	Skin Corr.1B; H314 STOT SE3; H335	1-5%
ALCOHOLS C6-C12, ETHOXYLATED	68439-45-2 614-481-5 -	Ac.Tox.4; H302 Eye Dam.1; H318	1-5%
β-ALANINE, N-(2-CARBOXYETHYL)-N-COCO ALKYL DERIVS., DISODIUM SALTS	90170-43-7 290-476-8 01-2119976233-35-xxxx	Eye Irrit.2; H319	1-5%
SODIUM NITRITE	7632-00-0 231-555-9 01-2119471836-27-xxxx	Ox.Sol.3; H272 Ac.Tox.3; H301 Aq.Acute 1; H400	<1%

See Section 16 for the full text of the H-statements noted above.

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. Never give anything by mouth to an unconscious person.

Skin contact: Wash with plenty of water. Seek prompt medical advice for skin burns.

Eye contact: Rinse with water for 10 minutes and seek immediate medical advice.

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

Inhalation: If affected remove to fresh air and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause burns to skin. May cause eye damage.

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: Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media: High volume water jet.

Multi Clean

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.
 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 local authorities.

6.3 Methods and materials for containment and cleaning up

Use absorbent material, sand, earth, vermiculite, etc. and place in a container for disposal; flush spillage site with water.

6.4 References to other sections: See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with standard good housekeeping practices. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Protect from frost, heat and sunlight. Incompatible with oxidising agents. Keep away from food, drink and animal feed. Keep container tightly closed. Keep in original container.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters - Workplace exposure limits:

Chemical name	8hr TWA	15min STEL	Reference
2-Butoxyethanol	123 mg/m ³ / 25ppm	246 mg/m ³ / 50ppm (Sk) (BMGV)	EH40/2005

DNEL:

DNEL (workers)	2-Butoxyethanol	Sodium metasilicate	Reference
Chronic systemic effects (dermal)	75 mg/kg/day	1.49 mg/kg bw/day	Manufacturer
Chronic systemic effects (inhalation)	98 mg/m ³	6.22 mg/m ³	Manufacturer

DNEL (consumers)	2-Butoxyethanol	Sodium metasilicate	Reference
Chronic systemic effects (dermal)	38 mg/kg/day	0.74 mg/kg/day	Manufacturer
Chronic systemic effects (inhalation)	49 mg/m ³	1.55 mg/m ³	Manufacturer
Chronic systemic effects (oral)	3.2 mg/kg/day	0.74 mg/kg/day	Manufacturer

Multi Clean

PNEC Information:

Environment	2-Butoxyethanol	Sodium metasilicate
Aquatic Compartment		
Fresh water	8.8 mg/l	7.5 mg/l
Marine water	8.8 mg/l	1 mg/l
Water-intermittent (sporadic) release	No data available	7.5 mg/l
Dry Sediment – fresh water	8.14 mg/kg	No data available
Dry Sediment – marine water	No data available	No data available
Terrestrial Compartment		
Dry soil	2.8 mg/kg	No data available

8.2 Exposure controls

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

Personal protective equipment

Respiratory protection: Not normally required.

Hand protection: Protective gloves; check with glove manufacturer for specific advice. Rubber gloves. (Sk) noted above means can be absorbed through skin.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin and body protection: General workwear.

Hygiene measures: Observe good industrial hygiene and safety practices. Do not eat or drink whilst using the product.

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	Amber/brown coloured liquid
Odour	Slight
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	Soluble
Solubility in other solvents	Not determined
pH	14.0
Melting point/range	No data available
Boiling point/range	No data available
Density	1.03-1.05
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

Multi Clean

9.2 Other information No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity Generally non-reactive.
10.2 Chemical stability Stable under normal conditions.
10.3 Possibility of hazardous reactions None if stored and used as directed.
10.4 Conditions to avoid Avoid excessive heat for prolonged periods.
10.5 Incompatible materials Strong oxidising agents. Strong acids. May be corrosive to aluminium, zinc, tin and its alloys. Hydrogen gas may be released which presents an explosion hazard.
10.6 Hazardous decomposition products Oxides of carbon. Mineral silicas.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
2-Butoxyethanol	300-2000mg/kg (Rat)	No data available	1000-2000 mg/kg (Rat)
Sodium metasilicate	1152-1349 mg/kg (Rat)	>2.06 mg/cm ³ (Rat)	>5000 mg/kg (Rat)

Skin corrosion/irritation: May cause skin burns.
Serious eye damage/eye irritation: May cause eye damage.
Respiratory or skin sensitisation: Not classed as a sensitiser.
Repeated dose toxicity: No data available
Carcinogenicity: Not carcinogenic.
Mutagenicity: Not mutagenic
Toxicity for reproduction: Not toxic for reproduction.
Specific target organ toxicity (STOT): No data available.
Further information: No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
2-Butoxyethanol	Daphnia Magna	EC50 24h	>100 mg/l
	Fish (Lepomis machrochirus)	LC50 96h	>100 mg/l
	Algae	EC50 7d	>100 mg/l
Sodium metasilicate	Daphnia Magna	EC50 48h	1700 mg/l
	Fish (Brachydanio rerio)	LC50 96h	210 mg/l

12.2 Persistence and degradability Mainly biodegradable; inorganic components such as sodium carbonate are not biodegradable.
12.3 Bioaccumulative potential Not expected to bioaccumulate.
12.4 Mobility in soil Dispersible in water and migrates through soil.
12.5 Results of PBT and vPvB assessment Contains no PBT or vPvB substances.
12.6 Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations. Do not dispose of waste into sewer.
Do not dispose of together with household waste. Contact licensed waste disposal company.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not burn or use a cutting torch on the empty container.

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.

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 (CSA/CSR) are not required for mixtures.

16. OTHER INFORMATION

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

Tariff number: 34029090

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

Multi Clean

Page 7 of 7
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Full text of H-statements referred to under sections 2 and 3

H272	May intensify fire; oxidizer
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
DNEL: Derived No Effect Level (Section 8).
PNEC: Predicted No Effect Concentration (Section 8).
STOT: Single Target Organ Toxicity (Section 11).
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).
vPvB: very Persistent and very Bioaccumulative. (Section 12).
EC50: Effective Concentration, 50 percent. (Section 12).
LC50: Lethal Concentration, 50 percent. (Section 11/12).
LD50: Lethal Dose, 50 percent. (Section 11).

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.

[final page]