

Concentrated Bleach Tablets

Page 1 of 7
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: Concentrated Bleach Tablets
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Product use: Bleaching agent
- 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	Acute Tox.4; H302; Eye Irr.2; H319; STOT SE 3; H335; EUH031
Environment	Aquatic Chronic 1; H410

2.2 Label elements

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

Signal word: Warning

Pictogram(s):



Contains: Troclosen sodium

Hazard	EUH031	Contact with acids liberates toxic gas
Statements:	H302	Harmful if swallowed.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H410	Very toxic to aquatic life with long lasting effects.
Precautionary	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Concentrated Bleach Tablets

Page 2 of 7
 Issued: 23/08/2019, Revision No: 2
 Regulation (EC) No. 453/2010

Statements:	P264	Wash hands thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P312	IF SWALLOWED: Call a POISON CENTRE/doctor/if you feel unwell.
	P301+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
	P312	Call a POISON CENTRE/doctor/...if you feel unwell
	P330	Rinse mouth.
	P337+P313	If eye irritation persists: Get medical advice/attention.
	P391	Collect spillage.
	P403+P233	Store in a well-ventilated place. Keep container tightly closed.
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with local/national regulations.

Other hazards: No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components:

Chemical Name	CAS.No/ EC No./ Reg.No	Classification (1272/2008/EC)	Content
Troclosene Sodium	CAS: 2893-78-9 EC: 220-767-7	Ox.Sol.2; H272 Acute Tox.4; H302 Eye Irr.2; H319 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH031	60-70%
Adipic acid	CAS: 124-04-9 EC: 204-673-3	Eye Irr.2; H319	20-30%

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

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: In all cases of doubt, or when symptoms persist, seek medical attention.

Eye contact: May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation: Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.

Concentrated Bleach Tablets

Page 3 of 7

Issued: 23/08/2019, Revision No: 2

Regulation (EC) No. 453/2010

Skin contact: May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Ingestion: Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed: In case of contact with eyes and skin, irritation may occur.

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

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Product is non-flammable, use Alcohol-resistant foam, carbon dioxide, powders.

Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture

Irritating / toxic fumes may be release at elevated temperatures.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters: 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. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. 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

Wipe up any liquid spillage with absorbent material such as sand, earth or vermiculite and place in container for disposal according to local regulations.

6.4 Reference to other sections

See Section 8 and 13 for personal protection and additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Handle with care. Ensure adequate ventilation of the working area.

Concentrated Bleach Tablets

Page 4 of 7
Issued: 23/08/2019, Revision No: 2
Regulation (EC) No. 453/2010

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No ingredients have been assigned a Workplace Exposure Limit.

DNEL/PNEC: No data 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: Safety glasses.

Skin protection: Protective clothing.

Respiratory protection: Self-contained breathing apparatus may be required if handling in a confined space with no ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour:	Tablet, off white.
Odour:	Characteristic chlorine.
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:	240°C.
Auto-ignition temperature:	Not applicable.
Oxidising properties:	Non-oxidising.
Solubility in water:	Soluble.
Solubility in other solvents:	Not determined.
pH:	5.0.
Melting point / range:	Not determined.
Boiling point / range:	Not applicable.
Relative Density:	1.1.
Vapour pressure:	No data available.
Vapour density:	No data available.
Partition coefficient: n-octanol / water:	No data available.
Viscosity (kinematic):	Not applicable.
Evaporation rate:	No data available.

9.2 Other information No data available.

Concentrated Bleach Tablets

Page 5 of 7
 Issued: 23/08/2019, Revision No: 2
 Regulation (EC) No. 453/2010

10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	Reacts with acids producing toxic chlorine gas.
10.6 Hazardous decomposition products	Chlorine.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical Name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Troclosene sodium	735 mg/kg (Rat)	No data available	>2000 mg/kg (Rabbit)
Adipic acid	5560 mg/kg (Rat)	>7.7 mg/l (Rat) 4h	7940 mg/kg (Rabbit)

Symptoms / routes of exposure

Skin corrosion / irritation:	Not classed as corrosive or irritating to skin.
Serious eye damage / irritation:	If splashed in eyes may cause irritation and redness.
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 expected to impair fertility.
Specific target organ toxicity (STOT):	May cause respiratory irritation.
Further information:	No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical Name	Species	Test	Value
Troclosene sodium	Fish (Bluegill)	LC50 96h	28 mg/l
	Daphnia	LC50 48h	20 mg/l
	Rainbow trout	LC50 96h	22 mg/l
Adipic acid	Daphnia	LC50 48h	46 mg/l

12.2 Persistence and degradability	Expected to be biodegradable.
12.3 Bioaccumulative potential	Potential for bioaccumulation.
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	Very toxic to aquatic organisms with long lasting effects.

13. DISPOSAL CONSIDERATIONS


13.1 Waste treatment methods

Dispose of in accordance with local/national regulations. Do not allow to enter drains or watercourses. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

Concentrated Bleach Tablets

Page 6 of 7
 Issued: 23/08/2019, Revision No: 2
 Regulation (EC) No. 453/2010

14. TRANSPORT INFORMATION

14.1 UN number	ADR/RID/AND; IMDG; ICAO	3077
14.2 UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, (Troclose sodium)	n.o.s
14.3 Transport hazard class(es)	ADR/RID/ADN Class	9
	ADR/ RID/ADN Class	Class 9
	ADR Label No.	9
	IMDG Class	9
	ICAO Class/Division	9
	ICAO Subsidiary Risk	9
		
	Transport labels	
14.4 Packing group	ADR/RID/AND; IMDG; ICAO	III
14.5 Environmental hazards	Marine pollutant	Yes
14.6 Special precautions for user	ADR/RID: Tunnel code EMS	
	IMDG: Emergency schedules F-A, S-F	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:		Not applicable.

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.

Concentrated Bleach Tablets

Page 7 of 7

Issued: 23/08/2019, Revision No: 2

Regulation (EC) No. 453/2010

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

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH031 Contact with acids liberates toxic gas.

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.
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 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.

[final page]

