SAFETY DATA SHEET

LEMON BLEACH

Infosafe No.: VAR8J
ISSUED Date : 13/02/2017
ISSUED by: Milestone Chemicals Pty. Ltd.

1. IDENTIFICATION

GHS Product Identifier
LEMON BLEACH

Company Name
Milestone Chemicals Pty. Ltd. (ABN 85115166357)

Address
115 Northern Road West Heidelberg
VIC 3081 AUSTRALIA

Telephone/Fax Number
Tel: (03) 9450 4555
Fax: (03) 9457 5518

Emergency phone number
Poisons Information Centre Tel 131126

Recommended use of the chemical and restrictions on use
As a bleaching and sanitising agent.

Disclaimer
The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2

Signal Word (s)
WARNING

Hazard Statement (s)
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statement (s)
P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s)
Exclamation mark

Precautionary statement – Prevention
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Precautionary statement – Storage
P404 Store in a closed container.

Precautionary statement – Disposal
P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Sodium hypochlorite	7681- 52- 9	0- 5 %
Water	7732- 18- 5	60- 100 %
Other ingredients determined not to be hazardous	Not required	0- 10 %

4. FIRST-AID MEASURES

Inhalation
Remove from exposure, rest and keep warm. In severe cases, obtain medical attention.

Ingestion

Immediately rinse mouth with water. Do NOT induce vomiting. Slowly give water to drink. Seek medical assistance.

Skin

If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If swelling, redness, blistering, or irritation occurs seek medical advice.

Eye contact

If in eyes, hold eyes upen, flood with water for at least 15 minutes and see a doctor.

First Aid Facilities

Eye wash station and normal washroom facilities.

Advice to Doctor

Product is a solution of sodium hypochlorite. If swallowed, may lead to fall in blood pressure. Treat with antacids to neutralise hypochlorous acid formed in the stomach, then as for alkaline materials. Onset of pulmonary oedema, following inhalation overexposure, may be delayed. Treat symptomatically. Contact Poisons Information Centre.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate to surrounding fire.

Hazards from Combustion Products

Chlorine, water vapour, sodium hydroxide, sodium carbonate, sodium chloride.

Specific Methods

In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.

Specific Hazards Arising From The Chemical

May form explosive products with primary aliphatic or aromatic amines, methanol and with nitrites. Contact with acids will generate chlorine, a toxic and corrosive gas. May react vigorously or violently with oxidising agents, reducing agents and metal salts.

Other Information

Avoid contact with coloured fabric as Chlorine may bleach colour out.
May give off dangerous gas if mixed with other products.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to sealed container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

7. HANDLING AND STORAGE

Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded dangerous goods store. Store in original container. Never store in unlined metal containers. Keep container tightly closed. Keep out of direct sunlight. Keep away from combustible materials. Keep away from acids. Keep away from metals and their salts. Keep away from aliphatic and aromatic amines. Keep away from methanol and nitrites. Keep away from oxidising and reducing agents. Prevent vapours from collecting in enclosed spaces. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No Exposure Limit Established

Appropriate Engineering Controls

Prevent direct contact with metals. Local mechanical exhaust/extraction usually required to keep airborne contamination as low as possible.

Personal Protective Equipment

Prevent contact with the eyes. Avoid contact with the skin. Avoid breathing the vapours. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-
Safety glasses
Gloves, rubber or plastic
Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Clear slightly yellow liquid

Odour

Smell of lemon and chlorine.

Boiling Point

100C

Solubility in Water

Miscible with water in all proportions.

Specific Gravity

1.1

pH

12.6 - 13.2

Vapour Pressure

Not available.

Flash Point

None

Flammability

Not flammable. Moderate oxidiser.

Other Information

Oxidiser. Contact with combustible material may cause fire. Contact with acids will generate chlorine, a toxic and corrosive gas. May react violently with reducing agents. Can react with primary aliphatic and aromatic amines, methanol and nitrites to give explosive products. May react vigorously with oxidising agents. Incompatible with most metals. Will decompose on

standing, generating chlorine. Decomposition will be accelerated by contamination and by exposure to sun light. May react vigorously with peroxides and metal salts. On long storage, may generate pressure inside sealed containers. Open cautiously.

10. STABILITY AND REACTIVITY

Conditions to Avoid
Heat, flames, ignition sources and incompatibles.

Incompatible materials
Acids, oxidizing agents, metals

Hazardous Decomposition Products
Decomposes on heating to emit toxic fumes. Heating can cause expansion of containers or decomposition leading to violent rupture of containers. Reacts vigorously with acids to produce dangerous levels of gaseous chlorine. Reacts with amines, ammonium salts, aziridine, methanol, phenylacetonitrile, metal salts, peroxides and reducing agents.

Possibility of hazardous reactions
My form toxic oxides of Chlorine if involved in a fire.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Oral
LD50: Sodium Hypochlorite 8910 mg/kg oral, rat

Acute Toxicity - Inhalation
LC 50 : Chlorine 293 ppm/1 hour rat
LCLo : Chlorine 2,530 mg/m3/30 minutes human

Ingestion
Will cause irritation and corrosion of the mouth, throat and gastrointestinal system. May cause pain and vomiting.

Inhalation
Inhalation of chlorine gas at 1 ppm will irritate the mouth, nose and throat. Above 1.3 ppm, vapours may cause coughing and difficulty breathing. Risk of delayed onset of pulmonary oedema (fluid in the lungs).

Skin
Short contact may cause irritation. On longer contact risk of chemical burns.

Eye
Severe irritant. Risk of permanent damage.

Chronic Effects
Repeated skin contact may lead to dermatitis or 'chloracne'. Repeated, low level exposure to chlorine vapours may cause corrosion of the teeth.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to fish and aquatic organisms.

Mobility
Readily dilutes with water.

Information on Ecological Effects
Harmful to aquatic life.

Environmental Protection
Avoid contaminating waterways, drains, sewers, or ground.

13. DISPOSAL CONSIDERATIONS

Waste Disposal
Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State.

14. TRANSPORT INFORMATION

Transport Information
Store away from acids.
Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

U.N. Number
None Allocated

UN proper shipping name
None Allocated

Transport hazard class(es)
None Allocated

15. REGULATORY INFORMATION

Poisons Schedule
S5

Australia (AICS)
All components listed.

16. OTHER INFORMATION

Date of preparation or last revision of SDS
12/02/2017

References
Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice
Standard for the Uniform Scheduling of Medicines and Poisons
Australian Code for the Transport of Dangerous Goods by Road & Rail
Globally Harmonised System of classification and labelling of chemicals

Signature of Preparer/Data Service

Technical manager Tel: (03) 9450 4555

Technical Contact Numbers

Emergency Advice All Hours:
Chief Chemist Tel: (03) 9450 4555 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs

Other Information

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.

END OF SDS