SAFETY DATA SHEET

CHESSER CHEMICALS Pty Ltd
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ABN Number: 67 008 262 039

Product: REFRESHER TABS

HAZARDOUS SUBSTANCE according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

SIGNAL WORD: **WARNING**



☎Emergency Response No: CHEMWATCH **1800 951 288**

RECOMMENDED PPE


GLOVES


SAFETY GLASSES

Health hazards

H319	Causes serious eye irritation
H351	Suspected of causing cancer

Environmental hazards

H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

1 IDENTIFICATION

IDENTIFICATION

Product Code:	RTBLV
Product Name:	REFRESHER TABS Lavender
Other Names:	Not applicable
Product Use:	Air Freshener, toilet freshener deodorant blocks.
Restrictions on use:	Use as Directed

COMPANY DETAILS

Company:	CHESSER CHEMICALS Pty Ltd
ABN Number:	67 008 262 039
Address:	124 Days Road FERRYDEN PARK SA 5010

Telephone Number:	(08) 8406 0000
Facsimile Number:	(08) 8406 0099
Emergency Telephone Number:	CHEMWATCH 1800 951 288
Other Information:	This information summarises our best knowledge on the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

2 HAZARD IDENTIFICATION

HAZARDOUS SUBSTANCE according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Classification of the substance or mixture:

Carcinogenicity	- Category 2
Eye damage/irritation	- Category 2
Aquatic Toxicity Acute	- Category 1
Aquatic Toxicity Chronic	- Category 1

SIGNALWORD: **WARNING**

Health Hazard | **Exclamation Mark** | **Environmental Hazard**

Hazard Statements

Health hazards

H319	Causes serious eye irritation
H351	Suspected of causing cancer

Environmental hazards

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Precautionary statements

General precautionary statements

P101	If medical advice is needed, have product container at hand.
P102	Keep out of reach of Children
P103	Read label before use.

Prevention precautionary statements

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/eye protection
P281	Use personal protective equipment as required

Response precautionary statements

P305+351+338+313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Get medical advice/attention.
P308+P313	IF exposed or concerned: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P391	Collect spillage

Storage precautionary statements

P405	Store locked up

Disposal precautionary statements

P501	Dispose of contents/container in accordance with local regulations.

Poisons Schedule (SUSMP): S5

3 COMPOSITION

Ingredients

Chemical Entity	CAS Number	Proportion	Risk Phrases
1, 4-Dichlorobenzene	[106-46-7]	> 98%	H319 H351 H400 H410
Ingredients determined not to be hazardous		Balance	

4 FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

Inhalation: Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention.

Eye Contact: If in eyes, hold eyes open, flood with water for at least 15 minutes. Transport to nearest medical facility for additional treatment.

Ingestion: If swallowed, do NOT induce vomiting. Rinse mouth with water. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Symptoms caused by exposure

Inhalation: May cause headache, dizziness, nausea, vomiting and breathing difficulties. High doses may cause depression of the nervous system.

Skin: May cause burning sensation on prolonged contact with solid.

Eye: May include burning sensation and redness.

Ingestion: May include headache nausea, vomiting and anaemia.

Advice to Doctor Treat symptomatically.

5 FIRE FIGHTING MEASURES

Suitable extinguishing equipment

For a small fire use dry chemicals, carbon dioxide, water spray or foam.
For large fires use water spray, fog or foam. Do not use water in a jet.

Specific hazards arising from the chemical

When heated to decomposition, emits acrid smoke and irritating fumes.

Special protective equipment and precautions for fire fighters

Wear full protective clothing and self-contained breathing apparatus. Hazchem code is dependent upon mode of transportation and packaging (see Section 14).

Hazchem Code •3Z Hazchem code is dependent upon mode of transportation and packaging (see Section 14).

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with released material. Avoid breathing dust. Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from entering waterways – discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Use appropriate tools to put spilled solid in a convenient waste disposal container. Avoid creating dust. Ensure adequate ventilation. Dispose of in accordance with regional regulations.

7 HANDLING AND STORAGE

Precautions for safe handling

Avoid breathing dust. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded.

Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area. Do not store near strong oxidants.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure control measures

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia -
1,4-Dichlorobenzene:
150mg/m^3 (25ppm) TWA (8hr),
300mg/m^3 (50ppm) STEL.
Carcinogen Category 3.

Biological monitoring

No biological limit allocated.

Engineering controls

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual protection measures

Eye and face protection: Wear safety goggles.

Skin protection: Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

Respiratory protection: If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C).
Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Thermal hazards: Not applicable.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystaline solid pressed into blocks.
Odour:	Lavender
Odour threshold (ppm):	Data not available
pH:	Data not available
Melting point/freezing point (°C):	53
Initial boiling point and boiling range (°C):	173
Flash point (°C):	65 (closed cup)
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Data not available
Upper/lower flammability or explosive limits (%):	2.5 - 16.0
Vapour pressure (mmHg @ 20°C):	Data not available
Vapour density (air = 1):	5.08
Density (g/ml @ 15°C):	1.46
Solubility:	insoluble
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	413
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm^2/s @ 20°C):	Data not available

10 STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions of use.

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

Stable under normal conditions of use.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials

Strong oxidising agents, alkalis.

Hazardous decomposition products

Burning can produce carbon monoxide and/or carbon dioxide, hydrogen chloride and phosgene.

11 TOXICOLOGICAL INFORMATION

Acute toxicity:	Low acute oral toxicity.
Skin corrosion/irritation:	Low acute dermal toxicity in animal studies. May cause burning sensation on prolonged contact with solid
Serious eye damage/irritation:	Vapour irritating to the eyes at 50ppm or greater
Respiratory or skin sensitisation:	No evidence of skin sensitisation
Germ cell mutagenicity:	Data not available
Carcinogenicity:	Limited evidence of carcinogenicity in animal studies.

Classified by the International Agency for Research on .Cancer (IARC) as a Group 2B

Group 2B – The agent is possibly carcinogenic to humans.

Reproductive toxicity: Data not available

Specific Target Organ Toxicity (STOT) – single exposure: Data not available

Specific Target Organ Toxicity (STOT) – repeated exposure: Central nervous system: high dose exposure may cause depression of the nervous system. Ingestion: over a long period may cause reversible neurological symptoms including unsteady gait, in-coordination and tingling of the limbs.

Aspiration hazard: Data not available

12 ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity:

Fish –	Toxic to aquatic life
Aquatic invertebrate –	Toxic to aquatic life
Algae –	Toxic to aquatic life
Microorganisms –	Toxic to aquatic life

Chronic toxicity:

Fish –	No data available
Aquatic invertebrate –	No data available
Algae –	No data available
Microorganisms –	No data available

Persistence and degradability	Biodegradable.
Bioaccumulative potential	does not bio-accumulate significantly.
Mobility in soil	Immiscible with water.
Other adverse effects	No data available.

13 DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

14 TRANSPORT INFORMATION

Australian Special Provision AU01 to the Australian Dangerous Goods Code 7th Edition (incorporating Corrigendum 1) 2011 States:

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in;

(a) packaging's or any other receptacle not exceeding 500 kg(L).
(b) IBCs;

Where AU01 applies:

UN Number	Not Applicable
Shipping Name	Not Applicable
Dangerous Goods Class	Not Applicable
Subsidiary Risk	Not Applicable
Pack Group	Not Applicable
Precaution for User	None

Hazchem Code Not Applicable

Where AU01 does not apply:

UN Number 3077
Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S.
Contains p-Dichlorobenzine
Dangerous Goods Class 9
Subsidiary Risk Not applicable.
Pack Group III
Hazchem Code ●3Z

15 REGULATORY INFORMATION

Poisons Schedule S5
H319 Causes serious eye irritation
H351 Suspected of causing cancer
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
EPG 47 unless covered by Australian Special Provision AU01
AICS Name All ingredients are on inventory

16 OTHER INFORMATION

Literature References No data available.
Sources for Data No data available.
Legend to Abbreviations and Acronyms

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
cm^2	square centimetres
CO_2	Carbon Dioxide
COD	Chemical Oxygen Demand
deg C (°C)	degrees Celsius
ERMA	Environmental Risk Management Authority
G	gram
g/cm^3	grams per cubic centimetre
g/l	grams per litre
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
Immiscible	liquids are insoluble in each other
Kg	kilogram
kg/m^3	kilograms per cubic metre
LC_{50}	LC stands for Lethal Concentration. LC_{50} is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD_{50}	LD stands for Lethal Dose. LD_{50} is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
Ltr	Litre
m^3	cubic metre
mbar	millibar
mg	milligram
mg/24H	milligrams per 24 hours
mg/kg	milligrams per kilogram
mg/m^3	milligrams per cubic metre
Misc	miscible
Miscible	liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	millimetre
mPa.s	milli Pascal per second
N/A	Not Applicable
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
ppb	parts per billion
ppm	parts per million
ppm/2h	parts per million per 2 hours
ppm/6h	parts per million per 6 hours
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	tonne
TWA	Time Weighted Average
ug/24H	micrograms per 24 hours
UN	United Nations (number)
Wt	weight

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Update CHEMWATCH Phone Number
Update Dates

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