



The Chemistry of Cleaning™

VIC 03 9480 3000
NSW 02 9743 6020
SA 08 8293 2020
QLD 07 3274 3438
WA 08 9249 4566

Safety Data Sheet

Issued: July 14, 2015

ABN 80 004 726 890 | MADE IN AUSTRALIA

Section 1 - Identification of The Material and Supplier

Chemical nature: para-Dichlorobenzene
Trade Name: Deodorant Blocks
Product Code: DET15/SV, DET4/NSV
Product Use: Air freshener, toilet freshener, insecticide for urinals and toilet blocks.
Creation Date: July, 2015
This version issued: This SDS issued on July 14, 2015 shall remain valid for 5 years unless a new SDS is issued in the meantime. Please contact Agar Cleaning Systems P/L to ensure you have the latest version of this product's SDS.

Poisons Information Centre: Phone 13 1126 from anywhere in Australia

SUPPLIER DETAILS

Company: Agar Cleaning Systems Pty. Ltd.
Address: 12-14 Cope Street, Preston, Vic. 3072 AUSTRALIA
Telephone: 03 9480 3000 **Facsimile:** 03 9480 5100
Web: www.agar.com.au Agar SDS are available from this website.
Email: sales@agar.com.au

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xn, Harmful. Classified as hazardous according to the criteria of SWA. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria. Note: see Section 14.

Risk Phrases: R36, R40, R50-53. Irritating to eyes. Limited evidence of a carcinogenic effect. Carc. Cat 3. Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety Phrases: S2, S36/37, S46, S60, S61. Keep out of the reach of children. Wear suitable protective clothing and gloves. If swallowed, seek medical advice immediately and show this container or label. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.

SUSMP Classification: S5
ADG Classification: See Section 14.
UN Number: 3077

GHS Signal word: WARNING

Hazardous chemical classification	Pictogram	Hazard Statement
Carcinogenicity, Category 2	 HEALTH HAZARD	H351 Suspected of causing cancer
Serious eye damage/Irritation, Category 2A	 EXCLAMATION MARK	H319 Causes serious eye irritation
Acute Aquatic Toxicity, Category 1	 ENVIRONMENT	H410 Very toxic to aquatic life with long lasting effects
Chronic Aquatic Toxicity, Category 1		

GENERAL:

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

PREVENTION

- P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing and eye or face protection.
P281: Use personal protective equipment as required.

RESPONSE

- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: If exposed or concerned: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P391: Collect spillage.

STORAGE

- P405: Store locked up.

DISPOSAL

- P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Emergency Overview

Physical Description & Colour: Yellow crystalline solid.

Odour: Lavender/characteristic odour.

Major Health Hazards: Causes serious eye irritation. Suspected of causing cancer..

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
1,4-dichlorobenzene	106-46-7	>99	150	300
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

Description of necessary first aid measures

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 Contact: May include burning sensation and redness.

Ingestion: May include headache, nausea, vomiting and anaemia.

Medical attention and special treatment

Treat symptomatically.

Section 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).

Section 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 container. Avoid creating dust. Ensure adequate ventilation. Dispose of in accordance with regional regulations.

Section 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 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.

Section 8 - Exposure Controls and Personal Protection

Exposure control measures: From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia – 1,4-Dichlorobenzene: 150mg/m³ (25ppm) TWA (8hr), 300mg/m³ (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.

Section 9 - Physical and Chemical Properties

Appearance:	Crystalline Solid
Odour:	Characteristic/Lavender
Odour Threshold:	Data not available
pH:	Data not available
Melting Point/Freezing Point:	53°C
Boiling Point and Boiling Range:	173°C
Flash Point:	65°C (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 @ 15°C):	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 (mm²/s @ 20°C):	Data not available

Section 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.

Section 11 - Toxicological Information

Acute Toxicity: Low acute oral toxicity. Accidental swallowing is unlikely in the workplace setting.

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 long period may cause reversible neurological symptoms including unsteady gait, uncoordination and tingling of the limbs.

Aspiration Hazard: Data not available.

Section 12 - Ecological Information

Ecotoxicity

Acute Toxicity: Fish – Moderately toxic to aquatic life.
Aquatic invertebrate – Moderately toxic to aquatic life.
Algae – Moderately toxic to aquatic life.
Microorganisms – Moderately 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 bioaccumulate significantly.

Mobility in Soil: Immiscible with water.

Other Adverse Effects: No data available.

Section 13 - Disposal Considerations

Ensure waste disposal conforms to local waste disposal regulations.

Section 14 - Transport Information

Australian Special Provision AU101 to the Australian Dangerous Goods Code 7th Edition (incorporating Corrigendum 1) 2011 states –

Environmentally Hazardous Substances meeting the descriptions of UN3077 or UN3082 are not subject to this Code when transported by road or rail in;

- packagings that do not incorporate a receptacle exceeding 500kg(L); or
- IBCs.

	Where not subject to ADG7:	Where subject to ADG7:
UN Number:	Not applicable	3077
Proper Shipping Name:	Not applicable	Environmentally Hazardous Substance, Solid N.O.S. (p-Dichlorobenzene)
Australian Dangerous Goods Class:	Not applicable	9
Australian Dangerous Goods Packing Group:	Not applicable	III
Hazchem Code:	Not applicable	•3Z

Section 15 - Regulatory Information

AICS Listing: All components of DEODORANT BLOCKS are listed on the Australian Inventory of Chemical Substances (AICS).

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76): Where subject to ADG7: 47

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO PROVIDE ADDITIONAL INFORMATION. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011) and is Copyright ©.

Abbreviations and Definitions of terms used:

<	less than
>	greater than
ADG CODE	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
COD	Chemical Oxygen Demand
deg C	Degrees Celsius
g	gram
g/L	grams per litre
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSIS	Hazardous Substance Information System
IARC	International Agency for Research on Cancer
kg	kilogram
L	Litre
LC50	The concentration of a material (inhaled) that will be lethal to 50% of the test animals.
LD50	The dose (swallowed all at once) which is lethal to 50% of a group of test animals.
m3	Cubic metre

mg	milligram
mg/m3	milligrams per cubic metre
miscible	A liquid that mixes homogeneously with another liquid
N/A	Not applicable
N/K	Not Known
NIOSH	National Institute for Occupational Safety and Health
non-haz	Non- hazardous
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
PEL	Permissible Exposure Limit
ppb	Parts per billion
ppm	Parts per million
R-Phrase	Risk Phrase
STEL	Short term exposure limit
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
SWA	Safe Work Australia, formerly ASCC and NOHSC
TLV	Threshold Limit Value
TWA	Time Weighted average
UN Number	United Nations (Number)
wt	weight

The information in this Data Sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Agar Cleaning Systems accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

End of SDS.