

PCB Wash

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PCB Wash
Product Type: Water based detergent cleaner.
Part Number: CT-PCBW-1L, -5L, -20L
Company Address: Chemtools Pty. Ltd.,
PO Box 463, Emu Plains, NSW 2750
Ph: 1300 738 250
EMERGENCY PHONE: Australia: Poisons Information Centre 13 1126
International: Infotrac (708) 918 1900

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	%	HSIS TWA	HSIS STEL
Ethanol	64-17-5	10 - 30	1000ppm, 1880mg/m ³	
Alcohol ethoxylate	68439-46-3	5 - 10	not listed	
2-aminoethanol	141-43-5	1 - 5	3ppm, 7.5mg/m ³	6ppm, 15mg/m ³
Alkylbenzene sulphonic acid	68081-81-2	1 - 5	not listed	

3. HAZARDS IDENTIFICATION

Hazard Classification: Not classified as a Hazardous Substance or Dangerous Goods according to the criteria of SafeWork Australia and the ADG
Risk Phrases: R36/38 - Irritating to eyes and skin.
R41 - Risk of serious eye damage
Safety Phrases: S2 - Keep out of reach of children
S24/25 - Avoid contact with skin and eyes.
Relevant routes of exposure: Inhalation, Ingestion, Skin contact
Potential Health Effects
Acute Effects:
Ingestion: May cause local irritation to the gastro-intestinal tract causing vomiting and abdominal pain to occur.
Eye contact: Sprays and mists can cause eye irritation.
Skin contact: Frequent or prolonged contact can cause defatting of the skin leading to drying and cracking.
Inhalation: Practically non-toxic. May cause irritation.
Long term Effects: There have been no documented effects due to long-term exposure to product.
Toxicity Data: No data

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water. Give water to drink. Do NOT induce vomiting.
Seek medical advice.
Eye Contact: Remove any contact lenses from the eyes and immediately flush the contaminated eye(s) with lukewarm, gently flowing water for AT LEAST 15 minutes, holding the eyelid(s) open.
Skin Contact: Remove clothing if contaminated and wash skin. If irritation occurs seek medical attention.
Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation persists, seek medical advice
Inhalation: Remove source of contamination or move victim to fresh air. Obtain medical advice immediately.
Other First Aid: Provide general supportive measures (comfort, warmth, rest). Consult a physician and/or the nearest Poison Information Centre.
Notes to physician: Treat symptomatically as for detergent solutions.

5. FIRE-FIGHTING MEASURES

Flash point: Non flammable.
Autoignition temperature: N/A
Flammable/Explosive limits-lower %: N/A
Flammable/Explosive limits-upper %: N/A
Extinguishing media: N/A
Special fire fighting procedures: None
Unusual fire or explosion hazards: None
Hazardous combustion products: None
Hazchem Code: N/A



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6. ACCIDENTAL RELEASE MEASURES

Small Spills: Contain using sand, vermiculite or diatomaceous earth. Collect and seal in properly labelled drums. Wash remaining area with large volumes of water.

Large Spills: PRECAUTIONS Restrict access to area. Clear area of unprotected personnel. Provide adequate protective equipment and ventilation. Remove chemicals which can react with the spilled material. Spills are slippery.

CLEANUP Contain spill or leak. Do not allow entry into sewers or waterways. Spilled solutions should be contained by dyking with inert material, such as sand or earth. Solutions can be recovered or carefully diluted with water.

DISPOSAL Federal, state and local regulations should be reviewed prior to disposal. May be possible to dilute and flush the material into a sewer. May be possible to atomise dilute solutions in an approved combustion chamber. May be harmful to aquatic life in high concentrations.

7. HANDLING AND STORAGE

Handling: Avoid generating mist or spray. When diluting solution, add material to water. Label containers. Keep containers closed when not in use.

Storage: No special storage requirements. Keep container tightly closed. Protect from freezing.

Incompatible products: Refer to Section 10.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use in well-ventilated area. Keep containers closed when not in use.

Personal Protection: People with sensitive or damaged skin should avoid contact with neat liquid and washing solution. If in doubt wear gloves. In spray or mist use goggles or other suitable eye protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Colour: Pale green/blue

Odour: Slight.

pH: 7 - 9

Boiling point/range: 100°C.

Melting point/range: 0°C

Specific gravity: 1.0 - 1.1 at 15°C.

Vapour density: >1

Evaporation rate: Not available

Solubility in water: Completely.

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Oxides of carbon, CO, CO₂.

Incompatibility: Strong acids, strong bases, bleach, water reactive substances (eg acetic anhydride, calcium carbide).

Conditions to avoid: See 'Handling and Storage' (Section 7) and 'Incompatibility' (Section 10).

11. TOXICOLOGICAL INFORMATION

Product toxicity data:

Ethyl alcohol: ORAL (LD₅₀): Acute: 7,060 mg/kg [Rat]. 3,450 mg/kg [Mouse].
VAPOR (LC₅₀): Acute: 20,000 ppm 8 hours [Rat]. 39,000 mg/m 4 hours [Mouse]

2-aminoethanol ORAL (LD₅₀): Acute: 1720 mg/kg [Rat]. 700 mg/kg [Mouse]. DERMAL (LD₅₀): Acute: 1,000 mg/kg [Rabbit].

Linear alkylate benzene sulphonate: ORAL (LD₅₀): Acute: 404 mg/kg [Rat]. 1575 mg/kg [Mouse].
Acute Oral LD₅₀ Rat: 1400 mg/kg

Alcohol ethoxylate Oral LD₅₀ (rat): >2000 mg/kg
SKIN: Non-irritant (rabbit).
EYES: Non-irritant (rabbit).

12. ECOLOGICAL INFORMATION

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Product toxicity data: No data found

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Recycle if possible. Dispose of according to Federal, State and local governmental regulations.

14. TRANSPORT INFORMATION

Domestic (Land):
Proper shipping name: No information found
UN No.:
Hazard class or division:
Packing group:

International Air Transportation (ICAO/IATA):
Proper shipping name: No information found
UN No.:
Hazard class or division:
Packing group:

Domestic (Land):
Proper shipping name: No information found
Hazard class or division:
Identification number:
Packing group:

International Air Transportation (ICAO/IATA):
Proper shipping name: No information found
Hazard class or division:
Identification number:
Packing group:

15. REGULATORY INFORMATION

Poisons Schedule (SUSDP): Not Listed.
ADG Code: No information found
NOHSC: Not Listed.

15. REGULATORY INFORMATION

Poisons Schedule (SUSDP): Not listed.



16. OTHER INFORMATION

Abbreviations/Acronyms:

- ADG – Australian Dangerous Goods.
- ACGIH - American Conference of Governmental Industrial Hygienists
- AICS – Australian Inventory of Chemical Substances.
- CAS - Chemical Abstract Service
- CFR – Code of Federal Regulations
- DOT - Department of Transportation
- DSL - Domestic Substance List
- HSIS - Hazardous Substances Information System.
- IARC – International Agency for Research on Cancer.
- IATA - International Air Transport Association
- ICAO - International Civil Aviation Organization
- IMDG - International Maritime Dangerous Goods
- IMO - International Maritime Organization
- LC - Lethal Concentration
- LD - Lethal Dose
- NA - Not Applicable
- ND - Not Determined
- NIOSH – National Institute of Occupational Health and Safety.
- NOS – Not Otherwise Specified.
- NFPA - National Fire Protection Association

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NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PMCC - Pensky-Martens Closed Cup
PPE - Personal Protection Equipment
ppm - Parts per Million
PEL – Permissible Exposure Limit.
STEL – Short Term Exposure Limit.
SWA – SafeWork Australia, formally ASCC and NOHSC.
SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.
TLV – Threshold Limit Value.
TWA – Time Weighted Average.

Date of MSDS: February 2013

DISCLAIMER:

The information contained within this MSDS applies only to the Chemtools product to which the sheet relates. The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purpose other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.

End of MSDS

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