

### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name: POWERSOLV**

**Other Names:** Corrosive Liquid, N.O.S.

**Recommended Use:** Multipurpose Solvent Detergent

**Product Code:** PSOLV05 (5L) – PSOLV25 (25L)

Company: CCS Chemicals (Aust) Pty Ltd. (A.C.N. 063 274 279)

Address: 263 – 265 Huntingdale Road, Huntingdale, Vic. 3166.

Telephone: 03 9544 9911

Facsimile: 03 9544 9922

**Emergency Telephone Number:**

Poisons Information Centre **131 126** (24 hours a day)

### SECTION 2: HAZARDS IDENTIFICATION

**Classified as hazardous by the criteria of NOHSC Australia. Classified as Dangerous Goods (Class 8 – Corrosive) according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.**

**Hazard category:** C. Corrosive.

**Risk Phrases:** R34. Causes burns.

**Safety Phrases:** S1/2. Keep locked up and out of reach of children.

S24/25. Avoid contact with skin and eyes.



### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Proportion
2-Butoxyethanol	111-76-2	< 10%
Trisodium Phosphate	7601-54-9	<10%
Disodium Trioxosilicate	10213-79-3	<10%
Non hazardous component(s)		to 100%

### SECTION 4: FIRST AID MEASURES

**Eye (Contact):** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical attention.

**Skin (Contact):** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical attention. Wash contaminated clothing before re-use.

**Inhalation (Breathing):** Remove to fresh air. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion (Swallowing):** For advice, contact a Poisons Information Centre (Phone e.g. Australia 131 126; New Zealand 0800 764 766) or a Doctor (at once). If swallowed do NOT induce vomiting. Wash out mouth with water then have victim drink copious amounts of water to dilute material in stomach. Quickly transport victim to an emergency facility.

**Advice to Doctor:** Treat symptomatically as for highly alkaline solution

**First Aid Facilities:** Eye wash station and clear running water.

**Additional Information:** No aggravated medical conditions are known to be caused by exposure to this product.

### SECTION 5: FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** Solution does not burn. Use extinguishing media suited to the materials that are burning. E.g. dry chemical, CO<sub>2</sub> or water spray. Do NOT use water jets.

**Hazards from Combustion Products:** Carbon dioxide, carbon monoxide, nitrogen oxides and other toxic gases may be produced in the case of fire or during thermal decomposition. Corrosive alkali vapours may be present.

**Precautions for Fire Fighters and Special Protective Equipment:** Fire fighters must wear full protective clothing including self contained

breathing apparatus (S.C.U.B.A.) and chemical splash suit. Ensure that no spillage enters drains or water courses. Determine the need to evacuate or isolate the area according to your local emergency plan. Keep containers cool with water spray.

**Additional Information: Hazchem Code – 2X**

May generate flammable gas if in contact with zinc, tin, magnesium or aluminium.

### SECTION 6: ACCIDENTAL RELEASE MEASURES



**Emergency Procedure:** SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide (Guide 37) - for large volumes.

**Spills / Clean Up:** For small volumes (approximately less than 1L) – clean up personnel should wear full protective equipment (refer to SECTION 8). Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material such as sand, vermiculite or other inert material. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the outside of the spill to the centre or from the edge of the room to the centre.

### SECTION 7: HANDLING AND STORAGE



**Precautions for Safe Handling:** Any non-authorized use of this product may result in severe personal injuries including burns, or damage to equipment and corrosion. Wear appropriate protective equipment (refer to SECTION 8) when handling undiluted product, to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet. Contact CCS Chemicals sales representative for advice when using this product for any application other than that outlined on the label or fact sheet. Do NOT mix with any other chemical.

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area, out of direct sun light and away from incompatible materials (as described in SECTION 10). Store in original tightly sealed labelled containers at all times.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure Standards – Source:** National Exposure Standards for Atmospheric Contaminants in the occupational environment [NOHSC: 1003].

Ingredient	CAS No	ES-TWA	ES-STEL
Disodium Trioxosilicate	10213-79-3	2mg/m <sup>3</sup>	

**Biological Limit Values:** Not available

**Engineering controls:** Ensure adequate ventilation to keep airborne concentrations below exposure standards.

**Personal Protective Equipment (PPE):**



**Eye/face protection –** Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

**Skin protection –** Use rubber gloves to prevent skin contact. Wear clothing and footwear suitable to prevent skin contact.

**Respiratory protection –** A respirator is not usually necessary, but if the product is being used in a confined area where mist is a problem, use a respirator suitable for particulates and alkaline gases.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid  
**Odour:** Butyl  
**pH:** > 12 (1% solution: 10)  
**Specific Gravity:** 1.03 +/- 0.005 @ 20°C  
**Vapour Pressure:** 24 mm Hg @ 20°C  
**Vapour Density:** Not Available  
**Boiling Point:** 100°C  
**Freezing Point:** 1°C  
**Solubility:** Soluble in water.  
**Flashpoint:** Not Applicable  
**Upper and Lower Flammable (explosive) Limits in air:** Not Applicable  
**Ignition Temperature:** Not Applicable

### SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal ambient storage conditions.  
**Conditions to avoid:** Avoid high temperatures (store below 30°C) and direct sunlight. Protect against physical damage.  
**Incompatible materials:** Incompatible with aluminium, tin, zinc, magnesium, and their alloys. Also incompatible with acid, fertilizers, chlorinating compounds, brominated compounds and nitrated hydrocarbons.  
**Hazardous decomposition products:** May react with aluminium, tin and zinc to produce flammable hydrogen gas. Thermal decomposition may result in the release of toxic and/or irritating fumes.  
**Hazardous reactions:** Reacts exothermically with acids.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### ACUTE HEALTH EFFECTS

**Swallowed:** Harmful if swallowed. May cause tissue damage to the mouth, throat and stomach. Symptoms include severe abdominal pain, vomiting and diarrhoea.

**Eye:** Pain and reddening will occur. Severe damage may result if not treated immediately.

**Skin:** Corrosive to skin. Will cause redness, itchiness and irritation.

**Inhalation:** Risk is low if used as directed. Breathing of concentrated vapour should be avoided. Symptoms of excessive inhalation include irritation of mucous membranes and respiratory system, headache and nausea. Avoid generating mists which may cause coughing.

#### CHRONIC HEALTH EFFECTS

**Swallowed:** May be fatal if swallowed.

**Eye:** Corrosive. Can cause permanent eye damage and blindness.

**Skin:** Repeated or prolonged exposure to this material will result in severe skin irritation leading to tissue destruction.

**Inhalation:** Possibility of moderate respiratory damage.

#### TOXICITY DATA

**LD50 (Acute Oral Toxicity):** Not available.

**LD50 (Acute Dermal Toxicity):** Not available.

**LC50 (Acute Inhalation Toxicity):** Not available.

**Carcinogenicity:** Not available.

### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not expected to be ecotoxic after dilution or neutralisation. Can be toxic to sea organisms because of its alkalinity.

**Persistence / Degradability:** Not available.

**Mobility:** Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal of Containers:** Rinse empty containers thoroughly with water and place in trash collection.

**Disposal Method:** Dispose of in accordance with Local, State and Federal regulations at an approved waste disposal facility, or through a licensed chemical waste disposal company. Flush neutralised liquid to sewer with plenty of water. Neutralise with dilute acid. Beware of heat and splashes caused by water reactions or neutralisation.

### SECTION 14: TRANSPORT INFORMATION

Classified as **Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**UN Number:** 1760

**Proper Shipping Name:** CORROSIVE LIQUID, N.O.S.

**Class and subsidiary Risk:** 8 (Corrosive)

**Packaging Group:** III

**Special Precautions for User:** Not applicable.

**Hazchem Code:** 2X

### SECTION 15: REGULATORY INFORMATION

**Poisons Schedule (SUSDP):** Schedule 5 – CAUTION

Warning Statements: Strongly alkaline. Avoid contact with eyes. Avoid contact with skin.

Safety Directions: Wear eye protection when mixing or using. Wear protective gloves when mixing or using.

All ingredients used in this product are listed in the Australian Inventory of Chemical Substances (AICS).

### SECTION 16: OTHER INFORMATION

**Date of preparation:** 7<sup>th</sup> July 2007

For further information on any details described in this MSDS, please contact:

Technical Department – Technical Manager

CCS Chemicals (Aust) Pty Ltd

Head Office: (03) 9544 9911

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and local laws and regulations.

### END OF MSDS