


# Safety Data Sheet



Section 1 PRODUCT IDENTIFICATION	
Product Name:	Cobalt Clean
Synonyms:	None
Recommended Use:	Water based multipurpose degreaser
Supplier Information:	<p>Australian Pipe Inspection Pty Ltd  207 Logan Road  Woolloongabba  Queensland, Australia 4102  Hotline: 1300 111 274  <a href="http://www.apiservices.com.au">www.apiservices.com.au</a></p>
Section 2 HAZARD IDENTIFICATION	
Hazard Classification:	<p>NON DANGEROUS according to the criteria of the ADG code  HAZARDOUS according to the criteria of Safe Work Australia  Serious eye damage/eye irritation, Category 2, H319  Label elements:  Pictograms</p> <div style="text-align: center;">   IRRITANT </div> <p>Signal Word: <b>WARNING</b></p>
Hazard Statements:	H319 Causes serious eye irritation
Precautionary Statements:	<p>P264 Wash ...thoroughly after handling</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/face protection.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 If eye irritation persists: Get medical advice/attention</p>

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## Section 3 COMPOSITION

Ingredient	CAS Number	Proportion
2(2-Butoxyethoxy)ethanol	112-34-5	<10%
Water	7732-18-5	>60%
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	<5%
Other non-hazardous materials to 100%		

Proportion (% weight per weight)

## Section 4 FIRST AID MEASURES

Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons.

**Ingestion:** Immediately rinse mouth with water. Do **NOT** induce vomiting. Seek medical assistance.

**Eye Contact:** Immediately irrigate with copious quantities of water for at least 15 minutes with eyelids held open. Remove clothing if contaminated and immediately wash skin with soap and water. Seek medical assistance if symptoms persist.

**Skin Contact:** Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use.

**Inhalation:** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical advice.

## Section 5 FIRE FIGHTING MEASURES

### Specific Hazards:

Non-Flammable

### Fire Fighting Advice:

Keep containers cool with water spray. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Containers may explode when heated.

### Suitable Extinguishing Media:

Non-flammable. Use agents suited to surrounding fire.

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## Section 6 ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures:**

Use suitable equipment (including PPE) to prevent contamination of skin, eyes and personal clothing.

Provide sufficient ventilation.

Emergency procedures, Prevent further leakage or spillage if safe to do so. Keep away from incompatible products.

**Environmental precautions:** Do not flush into surface water or sanitary sewer system.

General Information: Use proper personal protective equipment as indicated in Section 8.

### **Methods and materials for containment and cleaning up**

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with sand, dry lime or soda ash and place in a closed container for disposal. Flush spill area with water.

## Section 7 HANDLING AND STORAGE

**Precautions for safe handling:** General: Eating, drinking and smoking in work areas is prohibited. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Use only in a well-ventilated area. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale.

**Conditions for safe storage, including any incompatibilities:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control parameters – exposure standards, biological monitoring**

HSIS Airborne Exposure Limits: not set. 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether: ACGIH TLV 10 ppm.

**Appropriate engineering controls:** Facilities storing or utilising this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits

### **Personal protective equipment (PPE)**

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respiratory Protection (AS/NZS 1715/1716 Approved): Wear a full-face piece dust/mist respirator. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

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## Section 9 PHYSICAL PROPERTIES

Appearance: Transparent blue liquid  
Solubility: Miscible with water

Odour:	Slight solvent	Density @ 20°C:	~ 1.0 kg/lit
pH:	>11.5	Flash point & Method:	NAP
Vapour Pressure 20°C (mm Hg):	25-30	Upper Explosive Limit (UEL):	NAP
Vapour Density (Air = 1)	NAV	Lower Explosive Limit (LEL):	NAP
Initial Boiling Point °C:	~ 100°C	Ignition Temperature °C:	NAP
Freezing Point °C:	< 0°C	Percent Volatiles (volume):	~ 95%

NAP = Not Applicable, NAV = Not Available

## Section 10 STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures.

**Possibility of Hazardous Reactions:** Will not react or polymerise, releasing excess pressure or heat, or create other hazardous conditions.

**Conditions to Avoid:** Excess heat.

**Incompatible materials and possible hazardous reactions:** Reacts with acids.

**Hazardous Decomposition Products:** Oxides of phosphorus, carbon and sulphur.

## Section 11 TOXICOLOGICAL INFORMATION

**Acute toxicity:** no data

### Health Effects

**Skin:** Mildly irritating. Prolonged exposure to concentrated product may defat the skin.

**Eye:** Severely irritating.

**Ingestion:** Ingestion may cause gastric upset and nausea. Large doses may be harmful to the health.

**Inhalation:** Vapour is mildly irritating to the respiratory tract and mucous membranes. Prolonged inhalation of vapour may cause nausea and headaches.

**Chronic:** no data

**Respiratory or skin sensitisation:** Not sensitising

**Germ cell mutagenicity:** Not available

**Carcinogenicity:** Not available

**Reproductive toxicity:** Not available

**Specific Target Organ Toxicity (STOT) – single exposure:** Not available

**Specific Target Organ Toxicity (STOT) – repeated exposure:** Not available

**Aspiration hazard:** Not available

**Information on Possible routes of exposure:** Ingestion, Inhalation, Skin/ eye exposure.

**Delayed Health Effects from Exposure:** Not available

**Interactive Effects:** Not available

**Mixtures of Chemicals:** No data for product. However the following data is for the ingredients.

2-(2-butoxyethoxy)ethanol: Oral LD50 (rat): 5660mg/kg. Dermal LD50 (rabbit): 2700 mg/kg.

Sodium laureth sulfate: LD50 oral (rat) : >2000mg/kg

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## Section 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** 2-(2-butoxyethoxy)ethanol : LC-50 (Fish, 96 h): 1,300 mg/l; EC-50 (daphnid, 48 h): > 100 mg/l;  
EC-50 (Alga, 96 h): > 100 mg/l.  
Sodium laureth sulfate: LD50 oral (rat) : >2000mg/kg  
**Persistence and degradability:** Biodegradable.  
**Bioaccumulative potential:** Not available  
**Mobility in soil:** Not available  
**Other adverse effects:** None known

## Section 13 DISPOSAL CONSIDERATIONS

**Disposal methods:** Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. State and local disposal regulations may differ from federal disposal regulations.

**Disposal of any contaminated packaging:** Dispose of container and unused contents in accordance with federal, state and local requirements.

**Effects of sewage disposal:** No data

## Section 14 TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

UN Number:	Not applicable	HAZCHEM:	Not applicable
UN Proper Shipping Name:	Not applicable	Packaging Group:	Not applicable
Class and Sub Risk:	Not applicable		

Special Precautions: None

## Section 15 REGULATORY INFORMATION

Hazardous according to Worksafe Australia

**SUSMP Labelling:** Poison Schedule S5 (Alkaline Salts) (requires child proof lid-all volumes).

**SAFETY DIRECTIONS:** Strongly alkaline. Avoid contact with skin and eyes.

**FIRST AID INSTRUCTIONS:** For advice, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor (at once). If swallowed, do NOT induce vomiting. 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. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

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## Section 16 OTHER INFORMATION

### General:

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

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 work-place.

Since the manufacturer cannot anticipate or control the conditions under which this product may be used or handled, each user must, prior to using or handling this product, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is required to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers, and is also available from the company upon request.