

POOLPOWER AUSTRALIA PTY LTD  
Factory 1b, 39- 45 Susan Street  
Eltham, Victoria, AUSTRALIA 3095  
Telephone (03) 9439-1320 Facsimile (03) 9439-7207

Poison Information Centre: Telephone 13 11 26

## MATERIAL SAFETY DATA SHEET

ISSUED 05/06/2007 REVIEW 19/09/2017

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### SOLUTION - FREE CHLORINE REAGENT # 1

Classified as non hazardous according to criteria of Worksafe Australia
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#### PRODUCT IDENTIFICATION

Use: For the detection of free chlorine in swimming pool water.

#### Physical Description/ Properties

Product Name	Solution FREE CHLORINE REAGENT # 1
Other Names	
Product Code	
U.N. No.	None allocated
Dangerous Goods Class	None allocated
and Subsidiary Risk	None allocated
Hazchem Code	None allocated
Poison Schedule	None allocated
Appearance:	Clear solution
Boiling Point/Melting Point	100°C
Vapour Pressure	23hPa @ 20°C
Specific Gravity	1.01
Flash Point	Not applicable
Flammability Limits	Not applicable
Solubility in Water	Soluble

#### Other Properties

#### Ingredients

Chemical Name	CAS Number	Proportion
N-N Diethyl-p-phenylene -diamine sulphate	6283-63-2	<10%
Sulphuric Acid	7664-93-9	<10%
EDTA sodium salt	60-00-4	<10%

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The information contained herein is offered only as a guide to handling this specific material. It does not relate to use of the material in combination with any other material or in any process. Persons using this information must determine for themselves whether the material is suitable for any particular application.

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### HEALTH HAZARD INFORMATION

#### Acute Effects

##### Swallowed:

May cause irritation to mouth, throat, and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.

##### Eyes:

May cause irritation to the eyes, with effects including: pain, stinging and blurred vision..

##### Skin:

May cause irritation to the skin, with effects including: redness and itchiness.

##### Inhaled:

May cause irritation to the nose, throat and respiratory system with effects including: dizziness, headache and possible confusion.

##### Chronic:

None allocated.

#### Other Health Effects:

No data is available to confidently predict the effects of over exposure to humans, however based on animal studies, human health effects of over exposure by inhalation, ingestion, or skin or eye contact may initially include: eye irritation with discomfort, tearing, or blurring of vision, or irritation of the upper respiratory passages.

#### First Aid

##### Swallowed:

If swallowed DO NOT induce vomiting. If victim is conscious give water. If sickness persists transport to hospital or doctor.

##### Eyes:

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.

##### Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available. If irritation persists transport to hospital or doctor.

##### Inhaled:

Move victim to fresh air . Apply resuscitation if victim is not breathing – If trained personnel available administer oxygen if breathing difficult.

#### First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

#### Advice to Doctor

No specific requirements. Treat symptomatically.

#### Toxicity Data:

None established for formulated product

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### PRECAUTIONS FOR USE

#### Exposure Standards:

None established for formulated product.

#### Engineering Controls:

Use only with adequate ventilation.

#### Personal Protection:

After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. Do not consume food or tobacco in areas where they may become contaminated with this material.

#### Flammability:

This material is not a flammable or combustible liquid.

### SAFE HANDLING INFORMATION

#### Storage and Transport:

Keep container tightly closed. DO NOT consume food, drink or smoke tobacco in the areas where they may become contaminated with this material. Store in a well ventilated area. Use a totally enclosed system.

#### Spills and Disposal:

Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with cleanup. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dyke spill. Prevent liquid from entering sewers, waterways or low areas. Shovel or sweep up. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State, and local regulations. Remove non-useable solid material and/or contaminated soil, for disposal in an approved and permitted landfill. DO NOT flush to surface water or sanitary sewer system. DO NOT reuse container.

#### Fire/Explosion Hazard:

Inert material. Not a fire and explosion hazard. Collect and seal in properly labelled containers for disposal. Remainder of material can be washed to drain with plenty of water.

Fire fighting procedures: Evacuate personnel to a safe area. Wear self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmosphere or if exposed to products of decomposition. Full protective clothing is also recommended.

Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide (CO<sub>2</sub>).

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### **ADDITIONAL INFORMATION**

**Contact Points:**

For sales, technical, and product related enquiries contact POOLPOWER, phone (03) 9439 1320 or facsimile on (03) 9439 7207.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Caution: Do not use in medical applications involving permanent implantation in the human body.