



## *Material Safety Data Sheet*

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### **Section 1. Chemical Product and Company Identification**

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**Product Name**            **ALKALINE “D” COIL CLEANER**  
**Manufacturer**           **Avondale Marketing Pty Ltd**  
Northgate Road,  
Atlantis Foundry Business Park  
Atlantis  
Cape Town  
**In case of emergency**   **021 553 2798**

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### **Section 2. Hazards Identification**

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**Physical State**           Liquid  
**Color**                     Clear Yellow  
**Emergency Overview**   May cause skin irritation. May be harmful if swallowed.  
May cause eye irritation. Avoid contact with eyes, skin and clothing. Do not ingest. Wash thoroughly with plenty of water after handling.  
**Routes of Entry**         Absorbed through skin.  
Dermal contact. Eye contact.  
See Toxicological Information (section 11)

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### **Section 3. Composition/Information on Ingredients**

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<b>Name</b>	<b>Cas#</b>	<b>% by Weight</b>
Sodium Hydroxide	1310-73-2	1 - 10
Water	7732-18-5	60 - 90
Surfactants	proprietary	1 - 10

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### **Section 4. First Aid Measures**

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**Eye Contact**             Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**Skin Contact**            In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

**Inhalation**                If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion**                 Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or

<p>Medical conditions Aggravated by Overexposure</p>	<p>waistband. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation.</p>
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### Section 5. Fire Fighting Measures

<p>Flammability of the Product Flash Points Products of Combustion Fire Fighting Media and Instructions Protective Clothing (Fire)</p>	<p>Not applicable Not applicable None known Small Fire : Use DRY chemical powder. Large Fire : Use water spray, fog or foam. Do not use water jet. Be sure to use an approved/certified respirator or equivalent.</p>
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### Section 6. Accidental Release Measures

<p>Small Spill and Leak  Large Spill and Leak</p>	<p>Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: <b>Use suitable protective equipment (Section 8)</b>. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Stop leak if without risk. Absorb with <b>DRY</b> earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Eliminate all ignition sources. Call for assistance on disposal. <b>Use suitable protective equipment (Section 8)</b>. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.</p>
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### Section 7. Handling and Storage

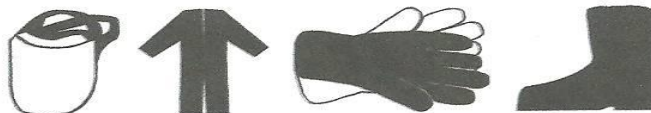
<p>Handling  Storage</p>	<p>Avoid contact with eyes, skin and clothing. Do not ingest. Wash thoroughly with plenty of water after handling. Keep container tightly closed. Keep container in a cool, well-ventilated area.</p>
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### Section 8. Exposure Controls/Personal Protection

<p>Engineering Controls</p>	<p>Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station locations.</p>
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<p>Personal Protection Eyes Body Respiratory Hands Feet</p>	<p>Face shield Full suit Wear appropriate respirator when ventilation is inadequate Gloves Boots</p>
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Protective Clothing (Pictograms)



Personal Protection in      Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing.

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## Section 9. Physical and Chemical Properties

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Physical State	Liquid
Color	Clear, Yellow
pH (10%)	11 - 13
Boiling/Condensation Point	N.A.
Melting/Freezing Point	N.A.
Pour Point	N.A.
Density	1.08 g/cm <sup>3</sup>
Vapor Pressure	N.A.
Evaporation Rate	N.A.
Solubility	Easily soluble in cold water and hot water

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## Section 10. Stability and Reactivity

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Stability and Reactivity	The product is stable
Incompatibility with various Substances	Avoid OXIDIZING AGENTS, strong acid, etc....
Hazardous Decomposition Products	None Known
Hazardous Polymerization	Will not occur

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## Section 11. Toxicological Information

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### Toxicity to Animals

Ingredients Name or Product Name	Test	Result	Route	Species
Sodium Hydroxide	LD50	4090 mg/kg	Oral	Rat

### Chronic Effects on Humans

None known

### Acute Effects Skin

Severely irritating to the skin

### Acute Effects Eyes

Moderately irritating to the eyes

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## Section 12. Ecological Information

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### Ecotoxicity

No information available

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## Section 13. Disposal Considerations

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**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.  
**Consult your local or regional authorities.**

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## Section 14. Transport Information

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This product is not regulated for Sea/Road/Rail and Air Transportation.

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## Section 15. Regulatory Information

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Classification and labeling of the product as delivered according to the Europe Dangerous Preparation Directive 1999/45/EC.

<b>SYMBOL(S)</b>	:	C Xi	Corrosive Irritants
<b>R-PHRASES</b>	:	R34 R36 R37 R38 R41	Causes Burns Irritating to eyes Irritating to respiratory system Irritating to skin Risk of serious damage to eyes
<b>S-PHRASES</b>	:	( S 1 / 2 )  S26  S36 S39 S45	Keep locked up and out of the reach of children  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Wear suitable protective clothing Wear eye/face protection In case of accident or if you feel unwell seek medical advice immediately .

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## Section 16. Other Information

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NONE

**Validated By** : Safety Officer  
**Print Date** : 19-1-2020

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### Notice to Reader

The information in the material safety data sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the date of publication. However, no warranty is made as to the accuracy of and/or sufficiency of such information and/or suggestions or as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any licence under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purpose, including mixing with other products. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than five years old, call to make certain that this sheet is current.