



**"SHELTERING YOUR INVESTMENT"**

## **ARC NO 12 ALGAE DESTROYER**

### **TECHNICAL AND MATERIAL SAFETY DATA SHEET**

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#### **SUPPLIER IDENTIFICATION AND INFORMATION**

<b>Manufacturer name</b>	<b>Anti Rain Concepts</b>
<b>Address of Distributor</b>	<b>25 Protea Drive, Gordons Bay Cape Town 7175</b>
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Reg No: 2011/058900/23

**PRODUCT IDENTIFICATION**

<b>Product name</b>	ARC No 12 Algae Destroyer
<b>Product Description</b>	ARC No 12 Algae Destroyer is a high quality, water-based, low-viscosity and penetrating Algicide with excellent surface coverage. The product is suitable for a variety of surfaces (including wood, plastic, concrete, metal fibreglass, fabric) and allows cleans whilst destroying all types of Algae, Lichen Mold etc. The product has excellent flexibility and impact resistant properties. It is a light blue mixture, but goes on clear. The product is a zero VOC, environmentally friendly coating and does not emit fumes and odours during and after application.
<b>Principal Characteristics</b>	<ul style="list-style-type: none"> <li>• Penetrates deep into the substrate and continues to destroy algae for months after application.</li> <li>• Resistant to corrosion, heat and UV light.</li> <li>• Anti-fungus and chemical resistance to acids, alkalines etc.</li> </ul>
<b>Intended use</b>	ARC no 12 Algae Destroyer is suitable for application over old and new concrete, slates, bricks, plaster, asbestos, roof tiles, hard boards, chip boards, steel, fabric practically any outdoor surface requiring the removal of algae, lichen, mold and moss

**COMPOSITION**

<b>TECHNICAL DATA:</b>	
<b>Solid by volume</b>	18 %
<b>Colour when dry</b>	clear
<b>Colour when wet</b>	Light blue
<b>Penetrating</b>	Excellent
<b>Storage</b>	Store well sealed and at moderate temperatures.
<b>Spreading rate</b>	8 m2/l single coat
<b>Cleaner</b>	Water
<b>Application</b>	Suitable to apply spray bottle, back pack or airless sprayer.
<b>De-canning Sizes</b>	5 Litre & 25 Litre

**HAZARD IDENTIFICATION**

<b>Primary route of exposure</b>	
<b>Inhalation</b>	Ensure proper ventilation during application in a confined space.
<b>Eye contact</b>	When in direct contact with material you need to wash out with lots of clean water. If irritation persists for longer than an hour, seek medical advice.
<b>Skin contact</b>	Prolonged and repeated contact may cause irritation. No specific symbols are required for the use of the products. The products are non-combustible and not flammable and do not have specific acute, chronic or toxic effects on humans as long as not ingested.

#### FIRST AID MEASURES

<b>Eye contact</b>	Flush eyes with large amount of water, if irritation persists, consult a physician.
<b>Skin contact</b>	Wash the skin with soap and water.
<b>Ingestion</b>	Seek medical advice.

#### FIRE-FIGHTING MEASURES

When applied on surfaces: Non-combustible, could act to retard the spread of flame.

<b>Smoke toxicity index</b>	Toxic gas factor – 1.0.
<b>When cured (not applied)</b>	Can burn.
<b>Extinguishing agents</b>	Normal foam, powder, water spray, or carbon dioxide (CO <sub>2</sub> ).

#### ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Follow normal safety precautions and if spillage occurs in a confined space, ensure there is adequate ventilation. There is no LD 50 data available for the products and the concentrations of particularly hazardous materials are so low that they are not considered a significant hazard under the recommended conditions of use.
<b>Environmental precautions</b>	Harmful to plants or animals, including fish.
<b>Methods for cleaning up</b>	Spray down with water

#### HANDLING AND STORAGE

<b>Safe handling advice</b>	Avoid direct contact with skin and eyes. Avoid inhalation and ingestion. Take personal protective measures and follow the protection and safety regulations. When working with coating products in a spray cabin, sufficient control of aerosols is unlikely and breathing apparatus such as respirators can be worn during spraying if preferred.
<b>Measure to prevent fire</b>	No specific preventative measures are required but keep the application area well ventilated.
<b>Requirements for storage</b>	Store in original containers (if possible) and keep tightly closed in a cool, dry, well-ventilated area. Although the products are not defined as dangerous goods, protect the products from direct extreme heat such as sources of ignition. Avoid direct sunlight and do not store in conditions below freeze-point.
<b>Shelf life</b>	±2 years if well sealed.

**EXPOSURE CONTROLS / PERSONAL PROTECTION**

Occupational exposure limit: OSHA PEL 15 mg/m (total dust), 5 mg/m (respiration fraction)

<b>Personal protection:</b>	
<b>Respiratory protection</b>	Respiratory programme must be followed whenever workplace conditions warrant a respirator's use. Not required if airborne concentrations are maintained below exposure limit listed in exposure limit information
<b>Eye Protection</b>	Safety glasses with impenetrable side shields are recommended.
<b>Skin protection</b>	Gloves may be used if required, but no known effects have been observed.

**STABILITY AND REACTIVITY**

<b>Stability</b>	Stable when following the handling and storage recommendations.
<b>Conditions to avoid</b>	Avoid leaving containers open and always ensure tightly closed when in storage
<b>Incompatibility</b>	None known
<b>Hazardous decomposition</b>	By fire – carbon dioxide (CO <sub>2</sub> ) and carbon monoxide (CO).

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Liquid
<b>Colours</b>	Blue
<b>Odour</b>	Slightly nutty odour
<b>PH ~</b>	8 -9
<b>Reactivity</b>	Salt fog resistant
<b>UV Resistance/Weathering</b>	No visible breakdown
<b>Density</b>	> 1 gm/cm
<b>Vapour density</b>	Heavier than air
<b>Solubility</b>	Miscible in / with water prior to cure
<b>Evaporation rate</b>	< 1 water (see section 5)

**TOXICOLOGICAL INFORMATION / HEALTH EFFECTS**

<b>Acute toxicity</b>	No known effects – health hazard rating in group 4 (minimal) of the Recommended Practice (ARP 006: 1991) guideline
<b>Skin contact</b>	No known effects
<b>Eye contact</b>	Splashes can cause eye irritation



CONTINUED

## ANTI RAIN CONCEPTS

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<b>Disposal key</b>	080103 – EWC waste.
<b>Disposal method</b>	Hand over empty packaging to an authorised disposal company / waste company – the waste regulations of the appropriate authorities are to be followed.

#### TRANSPORT INFORMATION

<b>ADR / FID (Road)</b>	Not dangerous materials according to these regulations.
<b>GGVSee / MDG (Maritime)</b>	Not dangerous materials according to these regulations.
<b>IATA (AIR)</b>	Not dangerous materials according to these regulations.

#### REGULATORY INFORMATION / EEC CLASSIFICATION

<b>EEC hazard classification</b>	None of the substances of the products are classified by the EEC as hazardous.
<b>TSCA certification</b>	All of the substances in the products are listed, or exempt from listing, on the TSCA.
<b>National legislation</b>	Pay attention to the Occupational Health and Safety Act.

#### OTHER INFORMATION

All data is based on the current knowledge of Anti Rain Concepts and describes the product with reference to safety data and is therefore not intended to guarantee certain properties.

#### APPLICATION INSTRUCTIONS AND TECHNICAL DATA

- These instructions are not intended to show product recommendations for specific services.
- They are issued as an as no surface preparation is required.
- It is assumed that surface is out doors.
- These instructions should be followed closely to obtain the maximum service from the material.

#### FEATURES INCLUDED:

- Quick drying
- Good absorption.
- Exceptional performance in wet weather.
- Zero flame.
- Cleans surface while destroying Algae, mold, lichen and moss.

#### Recommended use:

Exterior walls, structural steel, piping, tank frames, rail cars, corrugated iron, offshore oil and gas stations, roofs, asbestos, boats, wood, asbestos, glass fiber, fabric, canvas copper, glass and aluminum.

#### Excellent resistance to:

Acids, alkalis, water, salt solutions and solvents.

#### Temperature resistance:

Minus 50°C - 180°C. At 110°C discoloration takes place, without loss of film integrity.

#### Application:

All surfaces recommended.

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Compatible Coatings:

A test patch is recommended before use of most coatings. Contact your ARC distributor for specific information.

REQUIREMENTS FOR STORAGE AND APPLICATION

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Parameter	Storage (Unopened)	Paint	Substrate	Environment
% RH (Relative Humidity)	100 % Maximum	-	Min 2°C above Dew Point	85 % Max
Temp °C Min	5°C	5°C	5°C	5°C
Temp °C Min	40°C	40°C	40°C	40°C

**Surface Preparation:**

No surface preparation is required, simply spray contents onto required surface, leaving a soapy, foamy mixture on the substrate and allow it to get to work.

**Application:**

Suitable to apply with spray from a normal household bottle, pressure back pack applicator or airless sprayer.

