

## C1W FILMCORE AD (MSDS)

### Section 1 – Chemical Product and Company Identification

**Product Name:** C1W FILMCORE AD  
**Chemical Name:** Blend  
**Product Use:** Corrosion Inhibitor  
**Company Identification:** C1 Water Industries LLC  
 Plot No: 5330284, Saih Shuaib 4,  
 Dubai Industrial City, Dubai, U.A.E.

### Section 2 – Hazard Identification

**Health Hazard** H301+H311+H331 Toxic if Swallowed, incontact with skin or if inhaled  
 H226 - Flammable liquid and vapor  
 H312 - Harmful in contact with skin  
 H314 - Causes severe skin burns and eye damage  
 H318 - Causes serious eye damage  
 H351 - Suspected of causing cancer  
 H411 Very toxic to aquatic life with long lasting effects.  
 H370 - Causes damage to organs  
 H433 - Harmful to the terrestrial vertebrates  
**Physical Hazard** No data available  
**Environmental Hazard** No data available



### Section 3 – Composition, Information on Ingredients

Component	Cas No.	Concentration
Imidazoline	68442-97-7	Propertitary
Alkyl Pyridine Benzyl Chloride	67-56-2	
Water	7732-18-5	

### Section 4 – First Aid Measures

#### Special Instructions:

##### In contact with Eye:

Immediately flush the contaminated eye with plenty of water for 15 minutes. Get medical attention if symptoms of pain, swelling, or tearing exist after flushing the eyes.

## C1 WATER INDUSTRIES LLC.

Plot No.: 5330284, Saih Shuaib 4,  
 Dubai Industrial Park, P.O. Box 643902,  
 Dubai, United Arab Emirates.  
 Tel.: +971 4 4306271, Fax: +971 4 4306058  
 Website: www.c1water.com, E-Mail: info@c1water.com



## C1W FILMCORE AD (MSDS)

**In contact with Skin:**

Remove containment clothing. Immediately wash extremely thoroughly with warm water. Get medical attention if irritation develops or persists.

**In case of Ingestion:**

In case of ingestion consult a doctor whether a stomach washout is necessary.

**In case of Inhalation:**

Remove source of contamination or move victim to fresh air. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. Get immediate medical attention.

**Notes to Physician**

If burn is present, treat as any thermal burn, after decontamination. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. No specific antidote. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done.

### Section 5 – Fire Fighting Measure

**Flash Point:** : > 100°C

**Auto Ignition temperature:** : 280°C

**General Information**

As in any fire, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Suitable Extinguishing Media**

Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (alcohol-resistant). Water spray if puddle cannot expand.

**Extinguish media, which shall not be used for safety reasons**

Do not use direct water stream. May spread fire

**Special exposure hazards in a fire**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide. Container may rupture from gas generation in a fire situation.

Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

**Special protective equipment for fire fighters:**

Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing

## C1 WATER INDUSTRIES LLC.

Plot No.: 5330284, Saih Shuaib 4,  
Dubai Industrial Park, P.O. Box 643902,  
Dubai, United Arab Emirates.  
Tel.: +971 4 4306271, Fax: +971 4 4306058  
Website: [www.c1water.com](http://www.c1water.com), E-Mail: [info@c1water.com](mailto:info@c1water.com)



## C1W FILMCORE AD (MSDS)

with water to protect personnel and minimize property damage.

### **Other instructions:**

On leakage it becomes slippery

### Section 6 – Accidental Release Measures

#### **Personal Precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

#### **Environmental Precautions**

Do not allow to enter drains, sewers or watercourses.

#### **Methods for cleaning up**

Stop leak if possible, without risk, remove Dike far ahead of larger spills for later disposal.

Absorb spillage with inert absorbent material like sand, scoop up and remove.

Cover and move the containers. Flush the area with water

#### **Other instructions**

Refer to Section 8 for personal protective equipment.

### Section 7–Handling and Storage

#### **Handling:**

All employees who handle this material should be trained to handle it safely. Avoid inhalation of vapours /spray and avoid contact with eyes.

#### **Storage:**

Store in tightly closed original container in a cool, dry, well ventilated and humidity free places.

Store away from oxidizers, keep away from heat, sparks and open flames. Keep container closed when not in use.

### Section 8 – Exposure Controls/Personal Protection

#### **Exposure limit values:**

Contains no substances with occupational exposure limit values.

#### **Exposure controls:**

##### **Occupational exposure controls**

Use in a well-ventilated area. Local exhaust ventilation should be used in areas without good cross

##### **Respiratory protection**

On exposure wear a NIOSH certified. European Standard EN 149 or equivalent respirator when using this product.

##### **Hand protection**

Protective gloves (Europe EN374, US F739)

##### **Eye protection**

Safety goggles (European standard - EN 166)

## C1 WATER INDUSTRIES LLC.

Plot No.: 5330284, Saih Shuaib 4,  
Dubai Industrial Park, P.O. Box 643902,  
Dubai, United Arab Emirates.  
Tel.: +971 4 4306271, Fax: +971 4 4306058  
Website: [www.c1water.com](http://www.c1water.com), E-Mail: [info@c1water.com](mailto:info@c1water.com)



## C1W FILMCORE AD (MSDS)

### Skin protection

Normal clothes

### General protective measures

Avoid contact with skin and eyes, do not inhale vapour.

### Environmental exposure controls

Not any

## Section 9 – Physical and Chemical Properties

<b>Appearance</b>	: Dark Brown Liquid
<b>Odor</b>	: Ammoniacal
<b>Specific Gravity</b>	: 1.0 - 1.10
<b>Odor threshold</b>	: No test data available
<b>pH (5%)</b>	: 9.5 - 12.0
<b>Melting Point</b>	: No test data available
<b>Boiling Point</b>	: > 250°C
<b>Flash Point</b>	: > 100°C
<b>Evaporation Rate</b>	: No test Data available
<b>Upper / Lower Flammability</b>	: No test Data available
<b>Explosive Limits</b>	: No test Data available
<b>Viscosity @ 40°C</b>	: No test Data available
<b>Auto-Ignition temperature</b>	: 280°C
<b>Vapour Pressure</b>	: No test Data available
<b>Vapour Density</b>	: No test Data available
<b>Solubility / Miscibility in Water</b>	: Soluble
<b>Partition coefficient: n-octanol/water</b>	: -0.84

## Section 10 – Stability and Reactivity

<b>Reactivity</b>	: Will not polymerize.
<b>Chemical Stability</b>	: Stable at typical use temperature
<b>Conditions to avoid</b>	: Open flames and high energy ignition sources.
<b>Materials to avoid</b>	: Avoid contact with: Strong acids.
<b>Hazardous decomposition products</b>	: Decomposition products depend upon temperature, air supply and the presence of other materials. Toxic gases are released during decomposition. Emits carbon oxides and nitrogen oxides when heated to decomposition.

## Section 11 – Toxicological Information

## C1 WATER INDUSTRIES LLC.

Plot No.: 5330284, Saih Shuaib 4,  
Dubai Industrial Park, P.O. Box 643902,  
Dubai, United Arab Emirates.  
Tel.: +971 4 4306271, Fax: +971 4 4306058  
Website: [www.c1water.com](http://www.c1water.com), E-Mail: [info@c1water.com](mailto:info@c1water.com)





## C1W FILMCORE AD (MSDS)

### Acute Toxicity

#### Inhalation

Harmful if inhaled. May cause respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

The LC50 0.75 mg/L (Rat) 4h.

#### Eye Contact

Causes serious eye damage.

#### Skin Contact

Causes skin irritation. May be absorbed through the skin and contribute to the symptoms listed under ingestion. LD50. 108 mg/kg

#### Ingestion

Low toxicity if swallowed.

Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

Swallowing may result in gastrointestinal irritation or ulceration.

LD50. Rat. Toxicity: LD50 91 mg/kg

#### Chronic Effects/Carcinogenicity

Prolonged or repeated exposure may cause eye, blood, lung, liver, kidney, heart, central nervous system and spleen damage. Contains nitrilotriacetic acid or its salts, which is NTP Classification 2 (Reasonably Anticipated to be a Human Carcinogen) and IARC Classification 2B (a Possible Human Carcinogen)

## Section 12 – Ecological Information

<b>Ecotoxicity and aquatotoxicity</b>	: Material is practically non-toxic to aquatic organisms on an acute basis LC50 (Lepomis macrochirus (Bluegill sunfish)): 11.8 mg/l Exposure time: 96.0 h
<b>Biodegradability</b>	: Bio degradable
<b>Mobility</b>	: No data available.
<b>Bioaccumulative potential</b>	: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB)
<b>Other adverse effects</b>	: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

## Section 13 – Disposal Information

### Disposal Method

Disposal should be made in accordance with federal, state, and local regulations.

Incineration recommended in approved incinerator according to federal, state, and local regulations.

**Substance should not be deposited into a sewage facility.**

## C1 WATER INDUSTRIES LLC.

Plot No.: 5330284, Saih Shuaib 4,  
Dubai Industrial Park, P.O. Box 643902,  
Dubai, United Arab Emirates.  
Tel.: +971 4 4306271, Fax: +971 4 4306058  
Website: [www.c1water.com](http://www.c1water.com), E-Mail: [info@c1water.com](mailto:info@c1water.com)



## C1W FILMCORE AD (MSDS)

### Contaminated Packaging

Follow all applicable national or local regulations. Contaminated packaging may be disposed of by rendering packaging incapable of containing any substance, or treating packaging to remove residual contents, or treating packaging to make sure the residual contents are no longer hazardous, or by disposing of packaging into commercial waste collection.

### REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

### Empty Container Warning

Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

## Section 14 – Transport Information

### IMDG/IMO

#### UN Number

: Corrosive liquid, Toxic, N.O.S (Contains Imidazoline, Alkylpyridine benzyl chloride quaternary)

: UN2992

#### UN Proper Shipping Name

: Corrosive liquid, Toxic, N.O.S (Contains Imidazoline, Alkylpyridine benzyl chloride quaternary)

#### Transport Hazard Class(es)

: 6.1

#### Packing Group

: III

#### Environmental Hazards

: Marine Pollutant

### NZ 5433.1999

#### UN Number

: Corrosive liquid, Toxic, N.O.S (Contains Imidazoline, Alkylpyridine benzyl chloride quaternary)

: UN2992

#### UN Proper Shipping Name

: Corrosive liquid, Toxic, N.O.S (Contains Imidazoline, Alkylpyridine benzyl chloride quaternary)

#### Transport Hazard Class(es)

: 6.1

#### Packing Group

: III

### IATA/ICAO

#### UN Number

: Corrosive liquid, Toxic, N.O.S (Contains Imidazoline, Alkylpyridine benzyl chloride quaternary)

: UN2992

## C1 WATER INDUSTRIES LLC.

Plot No.: 5330284, Saih Shuaib 4,  
Dubai Industrial Park, P.O. Box 643902,  
Dubai, United Arab Emirates.

Tel.: +971 4 4306271, Fax: +971 4 4306058

Website: [www.c1water.com](http://www.c1water.com), E-Mail: [info@c1water.com](mailto:info@c1water.com)



## C1W FILMCORE AD (MSDS)

UN Proper Shipping Name : Corrosive liquid, Toxic, N.O.S (Contains Imidazoline, Alkylpyridine benzyl chloride quaternary)  
 Transport Hazard Class(es) : 6.1  
 Packing Group : III  
 Special Precautions for User : Not applicable  
 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

### Section 15 – Regulatory Information

#### Other Label Information

##### OSHA Hazards

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### Legislation and regulations:

Dangerous Substance Directive 67/548/EEC. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No.895). Avfallsförordningen (2011:927).

### Section 16 – Other Information

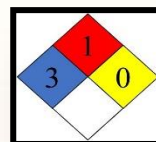
Restrictions on use : Not available

Sources of key data : Literature

Note: This version is issued to comply with Regulation (EC) 1907/2006: REACH and (EU)No 453/2010.

#### GENERAL INFORMATION

HMIS HEALTH	3
HMIS Flammability	1
HMIS Physical Hazard	0



Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. This information relates to the specific product designed and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness.

It is the users' responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of

## C1 WATER INDUSTRIES LLC.

Plot No.: 5330284, Saih Shuaib 4,  
 Dubai Industrial Park, P.O. Box 643902,  
 Dubai, United Arab Emirates.  
 Tel.: +971 4 4306271, Fax: +971 4 4306058  
 Website: www.c1water.com, E-Mail: info@c1water.com



## C1W FILMCORE AD (MSDS)

this information nor do we offer warranty against patent infringement.

C1 Water Industries LLC, DUBAI reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules regulations. Such demonstration may require on-site inspection of any or all storage, processing. Packaging and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state and federal regulations that may pertinent in the storage, application and disposal of this product.



### C1 WATER INDUSTRIES LLC.

Plot No.: 5330284, Saih Shuaib 4,  
Dubai Industrial Park, P.O. Box 643902,  
Dubai, United Arab Emirates.  
Tel.: +971 4 4306271, Fax: +971 4 4306058  
Website: [www.c1water.com](http://www.c1water.com), E-Mail: [info@c1water.com](mailto:info@c1water.com)

