



**Technical Data
Sheet For:**

**INTACHEM™
ALGAE
REM**

Description:
Algae and Moss
Remover

Coverage:
Circa. 3-4 sq.m/litre

INTECHEM IS THE TRADE
MARK OF F&D BULK
SERVICE LTD

**IntaChem House
No 1 Irwin Drive
NOTTINGHAM
NG6 7BJ
ENGLAND**

Phone:
+44 (0) 115 975
6975

Fax:
+44 (0) 115 975
6975

Email:
intachemenquiry
@aol.com

Algae Rem will kill all living organisms, mildews, algae and spores on the masonry surface. It does not clean dirty masonry. After sterilising the surface will not leave algaecidal agents in the masonry. It is one of the active agents named in the BRE digest for the control of algae, lichens and mosses in masonry. It removes undesirable and unsightly growths, effortlessly from masonry and painted surfaces.

Product Description:

It is an aqueous formulation of stabilisers, chlorinating agents and wetting agents. It is safe for use on all types of masonry.

How to use the product:

Any large organic deposits should be removed either by scraper or by use of power jet spray before the chemical is applied. After power water jetting, 1-2 hours drain down time should be allowed.

Apply the product as supplied either by brush or by low pressure air spray (taking due care), to give a good coating over the masonry surface. The product can be left to weather away or after 1-2 hours the surface may be power water jetted off.

General Safety Precautions:

Containers must be stored in a safe place with the caps secured. A trained responsible person(s) should be appointed to ensure security in depots, in transit and on site. Only competent persons should handle this product. Spillages should be dealt with immediately.

Materials to be avoided:

This product must not be mixed with acids or dangerous fumes will be formed.

Test Patch Trial:

If the product is to be left in situ without jetting off, the living organisms, when killed, may turn black and leave a poor appearance—check by test patch if this is acceptable or ensure that debris is power water jetted away.

Protection of Operative:

Chemical protection suits are needed along with PVC gauntlet gloves, face shield and head cover also suitable footwear. A bucket of clean water for emergency use should be at hand. Nobody must be allowed to pass or work near or underneath cleaning areas.

Spillages must be washed down immediately as should all equipment, scaffolding etc after each days work. Good ventilation is essential. All persons must be familiar with the required safety precautions and correct method of handling the product. If using a spray applicator breathing equipment must be worn.

First Aid Advice:

Accidental splashes on the skin or clothing must be washed off immediately with fresh clean water. Contaminated clothing should be removed.

SPLASHES ON THE SKIN: Wash immediately with plenty of water.

SPLASHES IN THE EYES: Must be immediately irrigated with plenty of clean water. An eyewash of dilute boric acid may be used.

Ecology:

The active chlorinating agent is harmful to fish and plants until it has been used in sterilising activity. It is IMPORTANT therefore to prevent splashes on plants and vegetation and to ensure that any wash down debris is not allowed into surface water or rivers. After a minimum of 10 hours contact time we have not experienced any damage from wash down debris to fish—but authorities should be consulted about disposal into drains.



**Technical Data
Sheet For:**

**INTACHEM™
ALGAE
REM**

Description:
Algae and Moss
Remover

Coverage:
Circa. 3-4 sq.m/litre

INTACHEM IS THE TRADE
MARK OF F&D BULK
SERVICE LTD

**IntaChem House
No 1 Irwin Drive
NOTTINGHAM
NG6 7BJ
ENGLAND**

Phone:
+44 (0) 115 975
6975

Fax:
+44 (0) 115 975
6975

Email:
intachemenquiry
@aol.com

Safety Notes:

1.	Always store containers in secure conditions.	
2.	Keep containers closed when not in use.	
3.	COSHH Data:	ALGAE REM
4.	Hazardous Ingredients:	This product contains more than 5% available chlorine as Hypochlorites UN1791
5.	Hazard Classification:	Toxic substance also Irritant
6.	Physical Data:	A pale yellow aqueous liquid
7.	Solubility:	Totally water soluble
8.	S G:	1.12 circa
9.	pH Value	12
10.	Flammability:	Non-flammable
11.	Fume Hazards:	For use in well ventilated areas on exterior masonry only
12.	Other dangers:	If mixed with acids will give off dangerous chlorine gas
13.	Handling precautions:	Only experienced trained persons should use this product. Wear full hand, face, foot and body protection. Have clean water to hand for emergencies. Dilution for spray application is not recommended. Store containers in a safe place and ensure caps are clothed.
14.	First Aid—Skin	Wash with plenty of water and seek medical help.
15.	First Aid—Eyes	Irrigate with plenty of water and seek medical help
16.	First Aid—Ingestion	Drink plenty of water and seek medical help
17.	Spillages:	Either dilute adequately or absorb into soil and dispose of the debris in the approved manner.
18.	Disposal:	
19.	NEVER leave container full or empty where the public may come into contact with them.	
20.	ALWAYS fill containers with water before disposing of them.	

Important Notice:

The statements above are compiled from our field of production and according to the latest technological developments and application techniques received by us. Since application and working are beyond our control, no liability of the producer (or its agents) can be derived from contents of the information sheet or additional correspondence. All statements made in addition to this sheet must be confirmed in writing by the producer (or its agents). In all cases our general conditions of sale are valid. This data sheet was published 09/10/2005 and supersedes any previous edition.



**Safety Data
Sheet For:**

**INTACHEM™
ALGAE
REM**

Description:
Algae and Moss
Remover

Coverage:
Circa. 3-4 sq.m/litre

INTECHEM IS THE TRADE
MARK OF F&D BULK
SERVICE LTD

**IntaChem House
No 1 Irwin Drive
NOTTINGHAM
NG6 7BJ
ENGLAND**

Phone:
+44 (0) 115 975
6975

Fax:
+44 (0) 115 975
6975

Email:
intachenquiry
@aol.com

1. IDENTIFICATION OF SUBSTANCES, PREPARATIONS AND COMPANY:

Name of Preparation:	Algae-Rem
Supplier:	IntaChem, 1 Irwin Drive, Nottingham NG6 7BJ
Supplier Ireland:	Conservation Technology Ltd., Davitt Road, Dublin 12, D12 YXK8

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Contains:	(1) 8% available chlorine
-----------	---------------------------

3. HAZARDS IDENTIFICATION:

Algae Rem is classified as irritant for supply under UK CHIP regulations. Conveyance: CORROSIVE.

In practice bleach solutions do not cause significant problems provided they are not mixed with acids which will result in toxic chlorine or phosgene gas liberation (R31). Chlorine has an Allocated Exposure Standard of 1ppm Table 4 EH 40. If ingested bleach solutions cause irritation of mucous membranes, stomach pain and possible ulceration. Inhalation of these gases may be fatal as a result of spasm. Symptoms of exposure may include burning sensation, nausea, vomiting and unconsciousness.

4. FIRST AID MEASURES:

Care should be taken to avoid contact with the eyes and skin. If splashes occur the following procedures should be adopted.

SKIN:	Wash all affected areas with liberal quantities of water for at least 1 minute
EYES:	Irrigate thoroughly with water for 15 minutes ensuring water bathes the eyeball. Seek medical advice, alternatively use diluted boric acid solution.
INGESTION:	Rinse out mouth and throat frequently with water. Do not give emetics. Drink water. Seek medical advice.
INHALATION:	Remove to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult call physician or paramedic to administer oxygen.

5. FIRE FIGHTING PROCEDURES:

Algae-Rem is not flammable, but in fire situations will emit toxic chlorine vapours. Use water, foam, CO₂, or dry powder as extinguishing agents. In a general fire, fire fighters should wear breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Hose away to foul sewer with a least 100 times its volume of cold water. Ensure area is well ventilated during operation.

7. HANDLING & STORAGE:

Ensure all information in this data sheet is read and understood before using this product. Do not allow the concentrated or dilute preparation to come into contact with eyes and skin. Wear full protective clothing, PVC overalls, gloves, face shield and rubber footwear. Use with care. Only experienced operatives should handle this product. Do not store Algae Rem with other acid products, organic chemicals or toilet cleaners. Use for external masonry only. Avoid breathing spray.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

See also section 7. Wear PVC gloves, eye/face protection and PVC wet suit. As Algae Rem is used in quantity on the outside of buildings, exposure controls are not normally required. Work upwind of spray. Chlorine has an allocated occupational exposure standard of 1ppm.

9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:	Pale yellow fluid
pH:	12
Boiling Point:	100 degrees Celsius
Flash Point:	Non Flammable
Specific Gravity:	1.13
Solubility in H ₂ O:	Soluble in water at all proportions

10. STABILITY & REACTIVITY:

Sodium hypochlorite solutions react violently with ammonium salts, methanol and primary amines. Reacts with acid to liberate toxic chlorine and phosgene gases.



**Safety Data
Sheet For:**

**INTACHEM™
ALGAE
REM**

Description:
Algae and Moss
Remover

Coverage:
Circa. 3-4 sq.m/litre

INTACHEM IS THE TRADE
MARK OF F&D BULK
SERVICE LTD

**IntaChem House
No 1 Irwin Drive
NOTTINGHAM
NG6 7BJ
ENGLAND**

Phone:
+44 (0) 115 975
6975

Fax:
+44 (0) 115 975
6975

Email:
intachemenquiry
@aol.com

11. TOXICOLOGICAL INFORMATION:

Irritant hypochlorite solution 8%, available chlorine.
Oral LD50 mouse: 8000 mg/kg approx.

12. ECOLOGICAL INFORMATION:

The active chlorinating agent is harmful to fish and plants until it has been used in sterilising activity. It is important therefore to prevent splashes on plants and vegetation and to ensure that any wash down debris is not allowed into surface water or rivers. After jetting off with water, and after a minimum of 10 hours contact time, we have not experienced any damage from wash down debris to fish. Authorities should be consulted about disposal into drains.

13. DISPOSAL CONSIDERATIONS:

Wash out containers with water and dispose rinse water into foul sewer. Containers then represent little hazard and may be recycled for other purposes.

14. TRANSPORT INFORMATION:

Algae Rem is classified as corrosive for conveyance.

Transport:	UN No 1791
Carriage:	Primary Hazard Corrosive
Packaging:	Packing Group III

15. REGULATORY INFORMATION:

R&S Phrases

R31:	Contact with acid liberates toxic gas
R36/38:	Irritating to eyes
S28:	In case of contact with skin wash immediately with plenty of water
S45:	In case of accident or you feel unwell seek medical attention immediately and where possible show this sheet or the product label
S50:	Do not mix with acids

See also the IntaChem Data Sheet for this product detailing operational techniques for moss, algae and mildew removal from buildings. Algae Rem will kill all living organisms, mildews, algae and spores on masonry surface. It does not clean dirty masonry. After sterilising the surface it does not leave algaecidal agents in the masonry. It is one of the active agents named in the BRE digest for the control of algae, lichens and mosses in masonry. It removes undesirable and unsightly growth, effortlessly from masonry and painted surfaces.

Important Notice:

The statements above are compiled from our field of production and according to the latest technological developments and application techniques received by us. Since application and working are beyond our control, no liability of the producer (or its agents) can be derived from contents of the information sheet or additional correspondence. All statements made in addition to this sheet must be confirmed in writing by the producer (or its agents). In all cases our general conditions of sale are valid. This data sheet was published 09/10/2005 and supersedes any previous edition.