



## SAFETY DATA SHEET

### Algae Free AD (USA)

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Algae Free AD (USA)		
REACH REGISTRATION NOTES	The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).		
APPLICATION	Biocides for water treatment.		
SUPPLIER	Hydra International Corp Inc The Pinnacle Building 3455 Peachtree Road NE, Suite 500 Atlanta GA 30326 USA 404 995 7021 404 995 7001 sales@hydra-int.com	MANUFACTURER	Hydra International Corp Inc The Pinnacle Building 3455 Peachtree Road NE, Suite 500 Atlanta GA 30326 USA 404 995 7021 404 995 7001 sales@hydra-int.com
CONTACT PERSON	A.J.Edgar		

#### 2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45)	Xi;R36/38. R43. R52/53.	
CLASSIFICATION (EC 1272/2008)	Physical and Chemical Hazards	Not classified.
	Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317
	Environment	Aquatic Chronic 3 - H412
LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008		



SIGNAL WORD	Warning	
CONTAINS	METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6	
HAZARD STATEMENTS	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H412	Harmful to aquatic life with long lasting effects.
PRECAUTIONARY STATEMENTS	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P313	Get medical advice/attention.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P272	Contaminated work clothing should not be allowed out of the workplace.
	P273	Avoid release to the environment.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P321	Specific treatment (see medical advice on this label).
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.

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P337

If eye irritation persists:

P362

Take off contaminated clothing and wash before reuse.

P363

Wash contaminated clothing before reuse.

P501

Dispose of contents/container to ...

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

2-bromo-2-nitropropane-1,3-diol

< 1%

CAS-No.: 52-51-7

EC No.: 200-143-0

Classification (EC 1272/2008)

Acute Tox. 4 - H302

Acute Tox. 4 - H312

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

STOT SE 3 - H335

Aquatic Acute 1 - H400

Classification (67/548/EEC)

Xn;R21/22.

Xi;R37/38,R41.

N;R50.

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

< 1%

CAS-No.: 55965-84-9

EC No.:

Classification (EC 1272/2008)

Acute Tox. 3 - H301

Acute Tox. 3 - H311

Acute Tox. 3 - H331

Skin Corr. 1B - H314

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

Classification (67/548/EEC)

T;R23/24/25

C;R34

R43

N;R50/53

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

#### INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention. Provide rest, warmth and fresh air.

#### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Rinse the skin immediately with lots of water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### 6 ACCIDENTAL RELEASE MEASURES

#### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

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### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

No particular ventilation requirements.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

### HAND PROTECTION

Use protective gloves made of: Butyl rubber. Rubber (natural, latex). Neoprene. Nitrile. Polyethylene. Polyvinyl chloride (PVC). P.T.F.E (Teflon). Viton rubber (fluor rubber). or Polyethylene/Ethylene Vinyl Alcohol (PE/EVAL).

### EYE PROTECTION

Use approved safety goggles or face shield.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Yellow.
ODOUR	Slight odour.
RELATIVE DENSITY	1.092 @ 20 °c

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Not relevant

### HAZARDOUS DECOMPOSITION PRODUCTS

No specific hazardous decomposition products noted.

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

May cause irritation to the respiratory system.

### INGESTION

May cause discomfort if swallowed. Burning sensation in mouth. May cause stomach pain or vomiting.

### SKIN CONTACT

Irritating to skin. May cause sensitisation by skin contact.

### EYE CONTACT

Irritating to eyes. Irritation, burning, lachrymation, blurred vision after liquid splash.

### HEALTH WARNINGS

Irritation of nose, throat and airway. Tearing eyes. Smarting in mouth and throat.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION

UN NO. ROAD	0
ADR CLASS	Not classified for transportation.

## 15 REGULATORY INFORMATION

### ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

### EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

### STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

## 16 OTHER INFORMATION

### INFORMATION SOURCES

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

### REVISION COMMENTS

Algae Free when diluted 1:40 or more with water is non-classified under CHIP regulations i.e. it does not require any warnings and is not regarded as dangerous to the environment.

### ISSUED BY

HS&E Manager.

REV. NO./REPL. SDS GENERATED 7

### SAFETY DATA SHEET STATUS

Approved.

DATE	04/10/2014
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SIGNATURE	AJ Edgar
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### RISK PHRASES IN FULL

R34	Causes burns.
R21/22	Harmful in contact with skin and if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50	Very toxic to aquatic organisms.

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### HAZARD STATEMENTS IN FULL

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H412	Harmful to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.