

# AMMONIA TEST STRIPS

Chemwatch Material Safety Data Sheet  
Jan-10-2007  
NB293EC

CHEMWATCH 6101-44  
CD 2006/4 Page 1 of 7

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## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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### PRODUCT NAME

AMMONIA TEST STRIPS

### STATEMENT OF HAZARDOUS NATURE

Not considered a hazardous substance according to OSHA 29 CFR 1910.1200.

### SUPPLIER

Company: Aquarium Pharmaceuticals Inc  
Address:  
PO Box 218  
Chalfont  
PA, 18914- 0218  
USA  
Telephone: +1 215 822 8181  
Emergency Tel: +1800 222 1222 (US Only)

Company: Aquarium Pharmaceuticals Inc  
Address:  
50 East Hamilton Street  
Chalfont  
PA, 18914  
USA  
Telephone: +1 215 822 8181  
Fax: +1 215 822 1906

### PRODUCT USE

Strips measure ammonia in fresh and salt water aquariums, for product 33D.

### SYNONYMS

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## Section 2 - COMPOSITION / INFORMATION ON INGREDIENTS

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NAME	CAS RN	%
plastic strip impregnated with non hazardous ingredients, including water	7732-18-5	

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## Section 3 - HAZARDS IDENTIFICATION

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### CANADIAN WHMIS SYMBOLS

None

### EMERGENCY OVERVIEW

#### RISK

### POTENTIAL HEALTH EFFECTS

#### ACUTE HEALTH EFFECTS

#### SWALLOWED

Although ingestion is not thought to produce harmful effects, the material may still be damaging to the health of the individual following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident. Present definitions of harmful or

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# AMMONIA TEST STRIPS

Chemwatch Material Safety Data Sheet  
Jan-10-2007  
NB293EC

CHEMWATCH 6101-44  
CD 2006/4 Page 2 of 7

## Section 3 - HAZARDS IDENTIFICATION

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toxic substances are generally based on doses producing mortality (death) rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

Considered an unlikely route of entry in commercial/industrial environments.

### EYE

Although the material is not thought to be an irritant, direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn).

The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

### SKIN

The material is not thought to produce adverse health effects or skin irritation following contact (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.

### INHALED

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

None identified.

### CHRONIC HEALTH EFFECTS

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## Section 4 - FIRST AID MEASURES

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### SWALLOWED

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Center or a doctor.

### EYE

If this product comes in contact with eyes:

- Wash out immediately with water.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### SKIN

If skin or hair contact occurs:

- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

### INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

continued...

# AMMONIA TEST STRIPS

Chemwatch Material Safety Data Sheet  
Jan-10-2007  
NB293EC

CHEMWATCH 6101-44  
CD 2006/4 Page 3 of 7  
Section 4 - FIRST AID MEASURES

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## NOTES TO PHYSICIAN

Treat symptomatically.

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## Section 5 - FIRE FIGHTING MEASURES

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Flash Point (°F): Not Applicable  
Lower Explosive Limit (%): Not Applicable  
Upper Explosive Limit (%): Not Applicable  
Autoignition Temp (°F): Not Applicable

### EXTINGUISHING MEDIA

- There is no restriction on the type of extinguisher which may be used.

### FIRE FIGHTING

- Use fire fighting procedures suitable for surrounding area.
- DO NOT approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.
- Equipment should be thoroughly decontaminated after use.

### GENERAL FIRE HAZARDS/HAZARDOUS COMBUSTIBLE PRODUCTS

- Non combustible.
- Not considered to be a significant fire risk, however containers may burn.

### FIRE INCOMPATIBILITY

None known.

## PERSONAL PROTECTION

Glasses:  
Safety Glasses.  
Gloves:  
When handling larger quantities:  
General purpose rubber glove.  
Respirator:

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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### MINOR SPILLS

- Clean up all spills immediately.
- Secure load if safe to do so.
- Bundle/collect recoverable product.
- Collect remaining material in containers with covers for disposal.

### MAJOR SPILLS

- Minor hazard.
- Clear area of personnel.
- Alert Emergency Responders and tell them location and nature of hazard.
- Wear physical protective gloves e.g. Leather.
- Contain spill/secure load if safe to do so.
- Bundle/collect recoverable product and label for recycling.
- Collect remaining product and place in appropriate containers for disposal.
- Clean up/sweep up area.
- Water may be required.

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# AMMONIA TEST STRIPS

Chemwatch Material Safety Data Sheet  
Jan-10-2007  
NB293EC

CHEMWATCH 6101-44  
CD 2006/4 Page 4 of 7  
Section 6 - ACCIDENTAL RELEASE MEASURES

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## Section 7 - HANDLING AND STORAGE

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### PROCEDURE FOR HANDLING

- Limit all unnecessary personal contact.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- When handling DO NOT eat, drink or smoke.
- Always wash hands with soap and water after handling.
- Avoid physical damage to containers.
- Use good occupational work practice.
- Observe manufacturer's storing and handling recommendations.

### RECOMMENDED STORAGE METHODS

No restriction on the type of containers. Packing as recommended by manufacturer. Check all material is clearly labelled.

### STORAGE REQUIREMENTS

Store away from incompatible materials.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE CONTROLS

The following materials had no OELs on our records

- water: CAS:7732-18-5

### MATERIAL DATA

Not available. Refer to individual constituents.

### INGREDIENT DATA

WATER:

No exposure limits set by NOHSC or ACGIH.

### PERSONAL PROTECTION

#### EYE

No special equipment for minor exposure i.e. when handling small quantities.

OTHERWISE: For potentially moderate or heavy exposures:

- Safety glasses with side shields.
- NOTE: Contact lenses pose a special hazard; soft lenses may absorb irritants and ALL lenses concentrate them.

#### HANDS/FEET

No special equipment needed when handling small quantities.

OTHERWISE: Wear general protective gloves, eg. light weight rubber gloves.

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# AMMONIA TEST STRIPS

Chemwatch Material Safety Data Sheet  
Jan-10-2007  
NB293EC

CHEMWATCH 6101-44  
CD 2006/4 Page 5 of 7

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### OTHER

Laboratory coat.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required.

Use appropriate NIOSH-certified respirator based on informed professional judgement. In conditions where no reasonable estimate of exposure can be made, assume the exposure is in a concentration IDLH and use NIOSH-certified full face pressure demand SCBA with a minimum service life of 30 minutes, or a combination full facepiece pressure demand SAR with auxiliary self-contained air supply. Respirators provided only for escape from IDLH atmospheres shall be NIOSH-certified for escape from the atmosphere in which they will be used.

### ENGINEERING CONTROLS

General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear an approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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### PHYSICAL PROPERTIES

Does not mix with water.

Molecular Weight: Not Applicable

Melting Range (°F): Not Applicable

Solubility in water (g/L): Immiscible

pH (1% solution): Not Applicable

Volatile Component (%vol): Not Applicable

Relative Vapor Density (air=1): Not Applicable

Lower Explosive Limit (%): Not Applicable

Autoignition Temp (°F): Not Applicable

State: Manufactured

Boiling Range (°F): Not Applicable

Specific Gravity (water=1): Not Available

pH (as supplied): Not Applicable

Vapor Pressure (mmHg): Not Available

Evaporation Rate: Not Applicable

Flash Point (°F): Not Applicable

Upper Explosive Limit (%): Not Applicable

Decomposition Temp (°F): Not Available

Viscosity: Not Applicable

### APPEARANCE

White plastic strip with coloured paper pads; insoluble in water.

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## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

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### CONDITIONS CONTRIBUTING TO INSTABILITY

Product is considered stable and hazardous polymerization will not occur.

### STORAGE INCOMPATIBILITY

Avoid contamination of water, foodstuffs, feed or seed.

None known.

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# AMMONIA TEST STRIPS

Chemwatch Material Safety Data Sheet  
Jan-10-2007  
NB293EC

CHEMWATCH 6101-44  
CD 2006/4 Page 6 of 7

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## Section 11 - TOXICOLOGICAL INFORMATION

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### Ammonia Test Strips

#### TOXICITY AND IRRITATION

Not available. Refer to individual constituents.

#### WATER:

No significant acute toxicological data identified in literature search.

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## Section 12 - ECOLOGICAL INFORMATION

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No data for Ammonia Test Strips.

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## Section 13 - DISPOSAL CONSIDERATIONS

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#### Disposal Instructions

All waste must be handled in accordance with local, state and federal regulations.

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult Waste Management Authority for disposal.
- Bury residue in an authorized landfill.
- Recycle containers where possible, or dispose of in an authorized landfill.

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## Section 14 - TRANSPORTATION INFORMATION

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NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:UN, IATA,  
IMDG

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## Section 15 - REGULATORY INFORMATION

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#### REGULATIONS

water (CAS: 7732-18-5) is found on the following regulatory lists;

Canada Domestic Substances List (DSL)

OECD Representative List of High Production Volume (HPV) Chemicals

US DOE Temporary Emergency Exposure Limits (TEELs)

US NFPA 30B Manufacture and Storage of Aerosol Products - Chemical Heat of Combustion

US Toxic Substances Control Act (TSCA) - Inventory

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## Section 16 - OTHER INFORMATION

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# AMMONIA TEST STRIPS

Chemwatch Material Safety Data Sheet  
Jan-10-2007  
NB293EC

CHEMWATCH 6101-44  
CD 2006/4 Page 7 of 7  
Section 16 - OTHER INFORMATION

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## EXPOSURE STANDARD FOR MIXTURES

"Worst Case" computer-aided prediction of spray/ mist or fume/ dust components and concentration:

Composite Exposure Standard for Mixture (TWA) :100 mg/m<sup>3</sup>.

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