

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date-Issued: 09/12/1997  
MSDS Ref. No: AHYD21120  
Date-Revised: 09/12/1997  
Revision No: New MSDS

### Hydrotech Simplicity Initiator

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hydrotech Simplicity Initiator  
GENERAL USE: Swimming pool water enhancer.  
CHEMICAL FAMILY: Inorganic oxide

##### MANUFACTURER

Asepsis, Inc.  
Hydrotech  
P.O. Box 537  
Avondale Estates, GA 30002  
Customer SERVICE: (800) 959-7946

##### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300  
Poison Control Center (Medical)(877) 800-5553

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Boron Salts		100

##### COMMENTS:

Ingredients listed in this section have been determined to be hazardous as defined in 29 CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% of more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% of more of the composition. Information on proprietary materials is available as provided in 29 CFR 1910.1200.

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

##### PHYSICAL APPEARANCE:

White, odorless powder.

##### IMMEDIATE CONCERNS:

CAUTION: Harmful if swallowed. Irritating to nose and throat. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Remove and wash contaminated clothing before reuse. Do not mix with other chemicals. Add this product only through skimmer only if other chemicals are not present in skimmer or an explosion may occur. Do not add to any dispensing device.

##### POTENTIAL HEALTH EFFECTS

##### EYES:

May cause eye irritation. Avoid contact with eyes.

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#### SKIN:

May cause skin irritation. Avoid contact with skin.

#### INGESTION:

Harmful if swallowed.

#### INHALATION:

Irritating to nose and throat. Avoid breathing dust or vapors.

#### CHRONIC:

This product contains a boron compound. This boron compound, when fed to test animals at very high doses, has shown reproductive and developmental toxicity. When this product is used according to label directions, the boron compound in this product does not represent a practical risk to man.

#### ROUTES OF ENTRY:

Eye Contact, Inhalation, Ingestion.

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## 4. FIRST AID MEASURES

#### EYES:

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

#### SKIN:

If contact with skin: Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

#### INGESTION:

If swallowed: Drink large quantities of water, then induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

#### INHALATION:

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

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## 5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

#### GENERAL HAZARD:

There are no unusual fire and explosion hazards known.

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#### EXTINGUISHING MEDIA:

Any fire extinguishing media may be used on nearby fires.

#### FIRE FIGHTING EQUIPMENT:

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

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## 6. ACCIDENTAL RELEASE MEASURES

#### GENERAL PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate protective clothing and safety equipment, contain spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place in clean dry plastic containers for disposal. Dispose of according to local, state, and federal regulations.

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## 7. HANDLING AND STORAGE

#### GENERAL PROCEDURES:

Avoid contact with eyes, skin or clothing. Avoid breathing dust.

#### HANDLING:

Use safe chemical handling procedures for the hazards presented by this material.

#### STORAGE:

Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of children's reach.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to minimize exposure to dust/vapors.

#### PERSONAL PROTECTIVE EQUIPMENT:

##### EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

##### SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

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#### RESPIRATORY:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

#### WORK HYGIENIC PRACTICES:

If product gets on clothing, remove and wash before reuse.

#### OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid  
ODOR: Odorless  
APPEARANCE: Granules / powder  
COLOR: White  
pH: 5.1(3% solution @ 20 C)  
MELTING POINT: 171°C  
SOLUBILITY IN WATER: 4.6g/100g water @ 20C  
SPECIFIC GRAVITY: 1.4 g/cc

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## 10. STABILITY AND REACTIVITY

#### CONDITIONS TO AVOID:

High temperature. Poor ventilation. Contamination. Moisture/high humidity.

#### STABILITY:

This product is stable under normal conditions.

#### POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions.

#### INCOMPATIBLE MATERIALS:

Other swimming pool/spa chemicals in their concentrated forms. Reaction with strong reducing agents such as metal hydrides or alkali metals will generate hydrogen gas which could create an explosive hazard.

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## 11. TOXICOLOGICAL INFORMATION

#### EYE EFFECTS:

This product may be irritating to eyes.

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#### SKIN EFFECTS:

This product may be irritating to skin.

#### CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.  
This product is not listed as a carcinogen by NTP.  
This product is not listed as a carcinogen by OSHA.

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## 12. ECOLOGICAL INFORMATION

#### ECOTOXICOLOGICAL INFORMATION:

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

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## 13. DISPOSAL CONSIDERATIONS

#### PRODUCT DISPOSAL:

Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

#### EMPTY CONTAINER:

Do not reuse container. Rinse thoroughly before discarding in trash.

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## 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

OTHER SHIPPING INFORMATION: Bill of Lading Description - Compounds, Swimming Pool, Cleaning or Water Treating, Dry or Liquid (NMFC 50086)

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## 15. REGULATORY INFORMATION

#### UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product or its components are not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

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#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

#### OSHA HAZARD COMM. RULE:

Product is hazardous by definition of the Hazardous Communication Standard.

#### FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

This product is not a registered pesticide.

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## 16. OTHER INFORMATION

#### REVISION SUMMARY

New MSDS

#### NFPA CODES

HEALTH: 1    FIRE: 0    REACTIVITY: 0

#### HMIS CODES

HEALTH: 1    FIRE: 0    REACTIVITY: 0    PROTECTION: B

#### MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

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