

# MATERIAL SAFETY DATA SHEET

## All Clear Mustard Knockout

1. Product And Company Identification			
<b>Supplier</b> Aqua Tri 17872 N. Mitchell Irvine, CA 92614 United States  Telephone Number: (949) 474-7707 FAX Number: (949) 474-7024		<b>Manufacturer</b> Advantis Technologies, Inc. 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States  Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com	
Issue Date: 08/20/2002  Product Name: Mustard Knockout CAS Number: Not Established Chemical Family: Bromide Salt Chemical Formula: Proprietary Mixture MSDS Number: 288			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
SODIUMBROMIDE		7647-15-6	
SODIUMTETRABORATEPENTAHYDRATE		12179-04-3	
Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).			
3. Hazards Identification			
<b>Primary Routes(s) Of Entry</b> Skin contact.			
<b>Eye Hazards</b> May cause eye irritation.			
<b>Skin Hazards</b> May cause skin irritation.			
<b>Ingestion Hazards</b> Not expected to be acutely toxic.			
<b>Inhalation Hazards</b> Can cause respiratory tract irritation.			
<b>Signs And Symptoms</b> Irritation of eyes, skin, and/or respiratory passages.			

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### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

#### Skin

In case of contact, immediately flush skin with soap and plenty of water.

#### Ingestion

Drink large amounts of water. Contact a physician or poison control.

#### Inhalation

If inhaled, remove to fresh air.

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

**Flash Point:** n/a °F

#### Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

#### Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

### 6. Accidental Release Measures

Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Flush spill area with water. Use appropriate containers to avoid environmental contamination.

### 7. Handling And Storage

#### Handling Precautions

Do not get in eyes or on skin.

#### Storage Precautions

Do not reuse container. Store in a cool dry place. Store away from strong acids, oxidizing agents, bromine trifluoride and salts of heavy metals. Keep away from children.

#### Work/Hygienic Practices

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

### Protective Clothing (Pictograms)



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### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Local exhaust acceptable. Special exhaust not required

#### Eye/Face Protection

Safety glasses with side shields or goggles.

#### Skin Protection

Chemical-resistant gloves.

#### Respiratory Protection

General room ventilation is normally adequate.

### 9. Physical And Chemical Properties

#### Appearance

White crystalline solid

#### Odor

None

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** 755 °C

**Boiling Point:** 1390 °C

**Specific Gravity:** 3.21

**Molecular Weight:** NOT DETERMINED

**Percent Volitales:** NOT DETERMINED

**Vapor Pressure:** 1mm hg @ 806C

**Solubility:** 95g/100g @25C

**Evaporation Rate:** n/a

### 10. Stability And Reactivity

**Stability:** STABLE

**Hazardous Polymerization:** WILL NOT OCCUR

#### Incompatible Materials

Acids, oxidizers, bromine triflouride and salts of heavy metals

#### Hazardous Decomposition Products

Bromine gas

### 11. Toxicological Information

#### Skin Effects

Dermal LD50 (Rabbit) >2g/kg

#### Acute Oral Effects

LD50 mg/kg Rat >= 4.2gr/kg

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Refer to applicable local, state and federal regulations as well as industry standards.

### 14. Transport Information

No Data Available...

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### 14. Transport Information - Continued

**Proper Shipping Name**

NOT REGULATED

**Hazard Class**

NOT REGULATED

**DOT Identification Number**

NONE

### 15. Regulatory Information

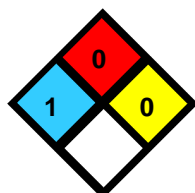
**Canadian Regulatory Information**

Class D, Div 2b - Poisonous or Infectious Material: other toxic effects,

**WHMIS - Canada (Pictograms)**



**NFPA**



**HMIS**

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

### 16. Other Information

**Revision/Preparer Information**

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 08/20/2002

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