

## Safety Data Sheet Atlas Pre-Post Activator

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### SECTION 1: Identification

#### 1.1 Product identifier

Product name	Atlas Pre-Post Activator
Product number	SK20009

#### 1.3 Recommended use of the chemical and restrictions on use

Chlorine Dioxide Teat Dip Activator

#### 1.4 Supplier's details

Name	Boumatic LLC
Address	1919 S. Stoughton Madison WI 53716 USA
Telephone	608-222-3484
email	itadmin@boumatic.com

#### 1.5 Emergency phone number(s)

1-800-255-3924

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### SECTION 2: Hazard identification

#### General hazard statement

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### 2.1 Classification of the substance or mixture

##### GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1A

#### 2.2 GHS label elements, including precautionary statements

##### Pictogram



##### Signal word

**Danger**

##### Hazard statement(s)

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H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

### Precautionary statement(s)

P280 Wear eye protection/face protection/protective gloves/protective clothing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor/...  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash ... thoroughly after handling.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P363 Wash contaminated clothing before reuse.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P321 Specific treatment (see ... on this label).  
P405 Store locked up.  
P501 Dispose of contents/container to ...

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Glycerine

Concentration	5 - 15 % (weight)
EC no.	200-289-5
CAS no.	56-81-5

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	No special measures required.
If inhaled	Supply fresh air; consult a physician in case of complaints.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Drink copious amounts of water and provide fresh air. Consult a physician.
Personal protective equipment for first-aid responders	No further relevant information available.

### 4.2 Most important symptoms/effects, acute and delayed

No further relevant information available.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No further relevant information available.

## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Specific hazards arising from the chemical**

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Citric acid: Carbon oxides

### **5.3 Special protective actions for fire-fighters**

No special measures required.

#### **Further information**

No further relevant information available.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Not required.

### **6.2 Environmental precautions**

No special measures required.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

#### **Reference to other sections**

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

No special measures required.

### **7.2 Conditions for safe storage, including any incompatibilities**

Corrosive to Aluminum.

#### **Specific end use(s)**

No data available.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **1. Glycerol (CAS: 56-81-5 EC: 200-289-5)**

TWA (Inhalation): 15 mg/m<sup>3</sup>; USA (OSHA)

USA. Occupational Exposure Limits(OSHA) - Table Z-1 Limits for Air Contaminants

TWA (Inhalation): 10 mg/m<sup>3</sup>; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

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PEL (Inhalation): 10 mg/m<sup>3</sup> , PNOR (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 5 mg/m<sup>3</sup>, PNOR (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

TWA (Inhalation): 5 mg/m<sup>3</sup>; USA (OSHA)  
USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminant

**8.2 Appropriate engineering controls**  
General industrial hygiene practice.

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

### Eye/face protection

Eye/Face Protection: None required with normal household use. Industrial Setting: For splash protection, use chemical goggles. Eye wash fountain is recommended.

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

No special precautions for casual exposure. Ventilation Local Exhaust: None required with normal consumer use. Special: None . Industrial (General): Normal/general dilution ventilation is acceptable. Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

### Thermal hazards

No data available.

### Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid, Dark forest green, opaque
Odor	Mild
Odor threshold	Not determined
pH	2.3 - 3.1
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability limits	Not determined

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Vapor pressure	Not determined
Vapor density	Not determined
Relative density	1.0197 g/ml
Solubility(ies)	Miscible and not difficult to mix.
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Product is not self-igniting
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Product does not present an explosion hazard.
Oxidizing properties	

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

None under normal use conditions.

#### 10.2 Chemical stability

Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

#### 10.4 Conditions to avoid

No further relevant information available.

#### 10.5 Incompatible materials

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Sodium hydroxide : Caustic soda reacts with all the mineral acids to form the corresponding salts. It also reacts with weak-acid gases, such as hydrogen sulfide, sulfur dioxide, and carbon dioxide. Caustic soda reacts with amphoteric metals (Al, Zn, Sn) and their oxides to form complex anions such as  $AlO_2(-)$ ,  $ZnO_2(-2)$ ,  $SnO_2(-2)$ , and  $H_2$  (or  $H_2O$  with oxides). All organic acids also react with sodium hydroxide to form soluble salts. Another common reaction of caustic soda is dehydrochlorination.

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Citric acid: Oxidizing agents, Bases, Reducing agents, Nitrates

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Glycerine : Strong bases, Strong oxidizing agents

#### 10.6 Hazardous decomposition products

No dangerous decomposition products known.

Glycerine : Other decomposition products - No data available  
In the event of fire: see section 5

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

No further relevant information available.

##### Skin corrosion/irritation

Causes skin irritation.

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### **Serious eye damage/irritation**

Causes serious eye irritation.

### **Respiratory or skin sensitization**

No data available.

### **Germ cell mutagenicity**

No data available.

### **Carcinogenicity**

IARC (International Agency for Research on Cancer): None of the ingredients listed.

NTP (National Toxicity Program): None of the ingredients listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients listed.

### **Reproductive toxicity**

No data available.

### **Summary of evaluation of the CMR properties**

Carcinogenic categories: IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA-Ca (Occupational Safety and Health Administration): None of the ingredients listed.

### **STOT-single exposure**

No data available.

### **STOT-repeated exposure**

No data available.

### **Aspiration hazard**

May be harmful if swallowed and enters airways

### **Additional information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## **SECTION 12: Ecological information**

### **Toxicity**

Aquatic toxicity: No further relevant information available.

### **Persistence and degradability**

No further relevant information available.

### **Bioaccumulative potential**

No further relevant information available.

### **Mobility in soil**

No further relevant information available.

### **Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### **Other adverse effects**

No further relevant information available.

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### SECTION 13: Disposal considerations

#### Disposal of the product

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Non Household Setting: Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

#### Disposal of contaminated packaging

Disposal must be made according to official regulations.

#### Waste treatment

Disposal must be made according to official regulations.

#### Sewage disposal

Disposal must be made according to official regulations.

#### Other disposal recommendations

Disposal must be made according to official regulations.

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### SECTION 14: Transport information

#### DOT (US)

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### SARA 311/312 Hazards

Chronic Health Hazard

##### Massachusetts Right To Know Components

Glycerol

CAS-No. 56-81-5

##### Pennsylvania Right To Know Components

Glycerol

CAS-No. 56-81-5

##### New Jersey Right To Know Components

Glycerol

CAS-No. 56-81-5

##### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

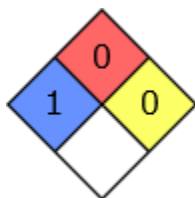
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## Atlas Pre-Post Activator

### HMIS Rating

Atlas Pre-Post Activator	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

### NFPA Rating



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## SECTION 16: Other information

### 16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall BouMatic LLC be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if BouMatic LLC has been advised of the possibility of such damages.

### 16.2 Preparation information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.