

## BAC STOP

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	BAC STOP
<b>Other Means of Identification</b>	ESTEAM BAC STOP
<b>Product Family</b>	mixture
<b>Recommended Use</b>	Water damage disinfectant.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer</b>	Esteam Mfg Ltd, 3750 19th NE , Calgary , Alberta, T2E6V2, 403-291-7050, esteam.com
<b>Emergency Phone No.</b>	Canutec, 1-613-996-6666, 24 hr
<b>Date of Preparation</b>	May 22, 2018

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Flammable liquid - Category 3; Skin irritation - Category 2; Eye irritation - Category 2A; Specific target organ toxicity (single exposure) - Category 1

#### Label Elements



Signal Word:  
Danger

#### Hazard Statement(s):

Flammable liquid and vapor.  
Causes skin and eye irritation.  
Causes damage to organs.

#### Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray.  
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Keep container tightly closed.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash hands and skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.

#### Response:

IF ON SKIN (or hair) Take off all contaminated clothing immediately, Rinse skin with water  
If skin irritation occurs: Get medical advice/attention.

Product Identifier: BAC STOP - Ver. 1  
Date of Preparation: May 22, 2018  
Date of Last Revision:

SDS No.: 0392

Page 01 of 06

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

If exposed or concerned: Call a POISON CENTER or doctor.

In case of fire: Use appropriate foam to extinguish.

Storage:

Store in a well-ventilated place. Keep cool.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Ethanol	64-17-5	50-70		
Methanol	67-56-1	5-15		

#### Notes

\*The exact percentage (concentrations) of the substance in the mixture has been withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Center or doctor. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Contact a physician if irritation persists.

##### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

##### Ingestion

Drink plenty of water afterwards rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned. DO NOT induce vomiting unless directed to do so by medical personnel.

#### Most Important Symptoms and Effects, Acute and Delayed

Breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

#### Immediate Medical Attention and Special Treatment

##### Target Organs

Kidneys, liver, nervous system.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

Special "alcohol resistant fire-fighting foams". Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog. Use water to keep non-leaking, fire-exposed containers cool.

##### Unsuitable Extinguishing Media

Water may be ineffective, Do not use a solid water stream as it may scatter and spread fire.

#### Specific Hazards Arising from the Product

Product Identifier: BAC STOP - Ver. 1

SDS No.: 0392

Date of Preparation: May 22, 2018

Date of Last Revision:

Page 02 of 06

Flammable gas. Can easily ignite. Can readily form explosive mixture with air at room temperature. May travel a considerable distance to a source of ignition and flash back to a leak or open container.

#### **Special Protective Equipment and Precautions for Fire-fighters**

As in any fire, wear self-contained breathing apparatus and protective suit.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

### **Methods and Materials for Containment and Cleaning Up**

Contain and soak up spill with absorbent that does not react with spilled product.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Do not get in eyes, on skin or on clothing. Avoid breathing in this product. Avoid repeated or prolonged skin contact. Do not swallow.

### **Conditions for Safe Storage**

Store in the original, labelled, shipping container. Keep container tightly closed. Store in cool dry place. Keep out of reach of children.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control Parameters**

Not available.

### **Appropriate Engineering Controls**

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### **Individual Protection Measures**

#### **Eye/Face Protection**

Wear chemical safety goggles.

#### **Skin Protection**

Wear Chemical protective gloves.

#### **Respiratory Protection**

Wear a NIOSH approved particulate respirator equipped with an N95, R95, or P95 filter.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Basic Physical and Chemical Properties**

<b>Appearance</b>	Clear colorless liquid.
<b>Odor</b>	Alcoholic
<b>pH</b>	8.1
<b>Melting Point/Freezing Point</b>	Not applicable (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	24 °C (75 °F) (closed cup)
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)

Product Identifier: BAC STOP - Ver. 1

SDS No.: 0392

Date of Preparation: May 22, 2018

Date of Last Revision:

Page 03 of 06

<b>Vapor Pressure</b>	Not available
<b>Relative Density (water = 1)</b>	0.8585
<b>Solubility</b>	Soluble in water; Highly soluble in alcohols (e.g. ethanol).
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Other Information</b>	
<b>Physical State</b>	Liquid
<b>Molecular Formula</b>	Not available
<b>Surface Tension</b>	Not available
<b>Critical Temperature</b>	Not available

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

### Hazardous Decomposition Products

Carbon Dioxide, Carbon Monoxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethanol		7060 mg/kg (rat)	
Methanol	64000 ppm (rat) (4-hour exposure)	> 5000 mg/kg (rat)	15800 mg/kg (rabbit)

### Skin Corrosion/Irritation

Animal tests show mild irritation.

May cause dermatitis. Prolonged or repeated contact may cause skin sensitization.

### Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

Experienced as discomfort or pain, excess blinking and tear production, with marked excess redness and swelling of the conjunctiva

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Skin Absorption

Causes damage to organs (liver, kidneys, Central nervous system, optic nerve) Dermal

#### Ingestion

Causes damage to organs (liver, kidneys, Central nervous system, optic nerve) Oral

**Aspiration Hazard**

Not known to be an aspiration hazard.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

No information was located.

**Respiratory and/or Skin Sensitization**

No information was located.

**Carcinogenicity**

Conclusions cannot be drawn from the limited studies available.

**Reproductive Toxicity****Development of Offspring**

Animal studies show effects on the offspring.

Risk of effects depends on duration and level of exposure

**Sexual Function and Fertility**

No information was located.

**Germ Cell Mutagenicity**

Not known to be a mutagen.

**SECTION 12. ECOLOGICAL INFORMATION****Persistence and Degradability**

Readily Biodegradable.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

If released into the environment, this product can move slowly through the soil.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

**SECTION 14. TRANSPORT INFORMATION**

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1986	Alcohols, Flammable, Toxic, N.O.S (Methanol)	3(6.1)	III

**Special Precautions** Please note: Product is considered "LIMITED QUANTITIES" when shipped in innermost containers of 5 Lt or less.

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15. REGULATORY INFORMATION****Safety, Health and Environmental Regulations****Canada****Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL or are not required to be listed.

**USA****Toxic Substances Control Act (TSCA) Section 8(b)**

Product Identifier: BAC STOP - Ver. 1

SDS No.: 0392

Date of Preparation: May 22, 2018

Date of Last Revision:

Page 05 of 06

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

<b>SDS Prepared By</b>	Product safety manager
<b>Phone No.</b>	403-291-7050
<b>Date of Preparation</b>	May 22, 2018
<b>References</b>	CHEMINFO database. Canadian Center for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Center for Occupational Health and Safety (CCOHS). Raw ingredient SDS's.
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Product Identifier: BAC STOP - Ver. 1

SDS No.: 0392

Date of Preparation: May 22, 2018

Date of Last Revision:

Page 06 of 06