

# SDS SAFETY DATA SHEET

## SECTION 1. Identification of the substance/mixture and of the company/undertaking

(SDS NO): Eb46\_08162017

### Product identifier

Product name: **Purifier/Somex. A/C SANITIZER & Odor Eliminator and Inhibitor in Aqueous Solution**

Product codes: **HB0001, HB0002, HB0003, HB0004, HB0005, HB0006**

### · Details of the supplier of the safety data sheet

MANUFACTURED FOR:  
**BHG Import Exports Inc.**  
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· Information department: Product safety department  
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## SECTION 2: HAZARDS IDENTIFICATION

Classification

### Symbol(s) of Product



Possible Hazards

1% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

Germ Cell Mutagenicity, category 1B	H340	May cause genetic defects.
Carcinogenicity, category 1B	H350	May cause cancer.
Reproductive Toxicity, category 2	H361	Suspected of damaging fertility or the unborn child.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
Eye Irritation, category 2	H319	Causes serious eye irritation.

### GHS LABEL PRECAUTIONARY STATEMENTS

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P201	Obtain special instructions before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.

P501	Dispose of contents/container in accordance with local, regional and national regulations.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P264	Wash hands thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

## SECTION 3: Composition/Information On Ingredients

### HAZARDOUS SUBSTANCES

COMPONENT	CAS-NO.	CONCENTRATION (Wt.%)
Water	-	60-70
Ethyl alcohol	64-17-5	20-30
Adhesives	-	1-3
Stabilaizer	-	1-3
Unti Bacterial Medicine	-	1-3

## SECTION 4 : First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

## SECTION 5 : Fire-fighting Measures

### **EXTINGUISHING MEDIA:**

Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE

**SPECIAL FIREFIGHTING PROCEDURES:** Evacuate area and fight fire from a safe distance. Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

## SECTION 6 : Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal

## SECTION 7 : Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all SDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

## SECTION 8: Exposure Controls/Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Ethyl alcohol	64-17-5	40.0	N.E.	TLV TWA 1000ppm	PEL TWA 1000ppm	N.E.

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

**RESPIRATORY PROTECTION:** 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. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed

**SKIN PROTECTION:** Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## SECTION 9: Physical and Chemical Properties

<b>Appearance:</b>	Liquid
<b>Odor</b>	Mild, rather pleasant, like wine
<b>Relative Density:</b>	n/a
<b>Freeze Point, °C:</b>	n/a
<b>Solubility in Water:</b>	n/a
<b>Decomposition Temp., °C:</b>	n/a
<b>Boiling Poin :</b>	n/a
<b>Flammability:</b>	n/a
<b>Evaporation Rate:</b>	n/a
<b>Vapor Density:</b>	n/a
<b>PPG :</b>	n/a

(See "Other information" Section for abbreviation legend)

## SECTION 10: Stability and Reactivity

**CONDITIONS TO AVOID:** N/A

**INCOMPATIBILITY:** N/A

**HAZARDOUS DECOMPOSITION:** None.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## SECTION 11: Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May be absorbed through the skin in harmful amounts. Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. May cause skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if allowed.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

**PRIMARY ROUTES OF ENTRY:** Skin contact, eye contact, inhalation, and ingestion.

**EPIDEMIOLOGY::** Ethanol has been shown to produce fetotoxicity in the embryo or fetus of laboratory Animals. Prenatal exposure to ethanol is associated with a distinct pattern of congenital malformations that have collectively been termed the "fetal alcohol syndrome."

**EPIDEMIOLOGY:** Oral, Human-woman: TDLo = 41 gm/kg (female 41 weeks after conception. Effects on Newborn-Apgarscore (human only) and Effects on Newborn-other neonatal measures or effects and Effects on Newborn-drug dependence.

**REPRODUCTIVE EFFECTS:** Intrauterine, Human-woman: TDLo = 200 mg/kg (female 5 days pre-mating). Fertility-female fertility index (eg: # females pregnant per # sperm positive females; # females pregnant per # females mated).

**NEUROTOXICITY:** No information available.

**MUTAGENICITY:** DNA Inhibition: Human, Lymphocyte=220mmol/L: Cytogenetic Analysis: Human, Lymphocyte=1160

**OTHER STUDIES:** gm/L; Cytogenetic Analysis: Human, Fibroblast=12000 ppm; Cytogenetic Analysis: Human, Leukocyte=1 pph/72H (continuous); Sister Chromatid Exchange: Human, Lymphocyte=500 ppm/72H (continuous). Standard Draize Test (skin, rabbit)=20 mg/24H(moderate) Standard Draize Test: Administration into the eye (rabbit)=500 mg(severe).

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>Chemical Name</u>	<u>ORAL(rat)</u>	<u>VAPOR(rat)</u>
Ethyl alcohol	(LD 50) Acute: 7060mg/kg	(LC 50) Acute: 20000ppm/10 hr

## SECTION 12: Ecological Information

### ENVIRONMENTAL FATE:

This material is expected to leach into ground water and may biodegrade to a certain extent when released into the soil. May biodegrade to a certain extent when released into water. May be moderately degraded by reaction with photochemically produced hydroxyl radicals when released into the air. This material is expected to have a half life of less than 1 day when released into the air. Should not significantly bioaccumulate. Bioconcentration factor 13.2 (eels). When released to the atmosphere, it will photodegrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas.

### ECOTOXICITY:

Fish: rainbow trout: LC50 = 12900-15300mg/l; 96 Hr; Flow-through @ 24C degrees Fish: rainbow trout: LC50 = 11200 mg/L; 24 Hr; Fingerling bacteria: Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30 min; Microtox test. When spilled on land, it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to absorb to sediment or bioconcentrate in fish.

Toxic to aquatic organisms. Should not be released to sewage system or other bodies of water at concentrations above limits established in regulations or permits. The LC 50 (96 hour) values for fish are between 10 and 100mg/l.

### PHYSICAL:

No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with all applicable local, state, and federal regulations.

Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable national, prefectural, and local regulations.

## SECTION 14: TRANSPORT INFORMATION

- Refer to **TDG regulations** (Canadian Transportation of Dangerous Goods regulations);
- USA DOT** 49 cfr 173.173 b(2) and Consumer Commodity (49 cfr 173.150(c), Regulations).

DOT, IMDG, IATA: Non hazardous

## SECTION 15: OTHER REGULATORY INFORMATION

### Canada

Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)

All hazardous ingredients are listed on the DSL.

Hazardous Products Act (R.S.C., 1985, c. H-3)

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

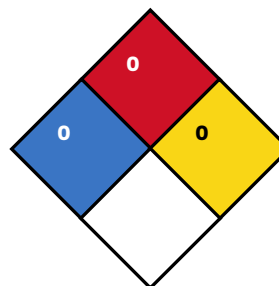
### USA

#### Other Classifications

##### HMIS® RATING

<b>HEALTH:</b>	0
<b>FLAMMABILITY:</b>	0
<b>PHYSICAL HAZARD:</b>	0
<b>PERSONAL PROTECTION:</b>	

##### NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

#### CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

#### EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

#### TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, June 06, 2014 revision, USA).

This product contains toluene, which is listed as reproductively toxic in California.

This product contains ethylbenzene, which is listed as a carcinogen in California.

This product contains ethanol, which is listed as reproductively toxic and as a carcinogen when in an alcoholic beverage.

### Europe

#### RoHS (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, and complies with European RoHS regulations.

## SECTION 16: OTHER INFORMATION

REFERENCE: Material Substance Database/ Japan Paint Industrial Association Pocket Book for Solvents  
Reference of Hazardous and Toxic Chemical Substance/ Japan Industrial Safety and Health Association (JISHA)  
SDS of other manufacturers

#### LEGAL DISCLAIMER:

BHG Import Export inc. Cannot guarantee the accuracy, adequacy or completeness of information in this Safety Data Sheet because it has been compiled from our experience, knowledge and various publications believed to be reliable.

It is the customer's responsible for ensuring that the product is used, handled, stored, and disposed in accordance with the safety precautions herein and in compliance with applicable national, prefectural, or provincial, and local laws.

BHG Import Export inc. disclaims liability for any loss, damage, or personal injury that arises from, or is in any way related to use of the information contained in this safety data sheet.