

**Safety Data Sheet**  
**GAP Ready 2 Go! HVAC Disinfectant & Sanitizer**

**SECTION 1: Identification**

**1.1 GHS Product identifier**

Product name                                      GAP Ready 2 Go! HVAC Disinfectant & Sanitizer  
Product number                                    80811

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

Disinfectant Cleaner  
Industrial or Automotive Commercial Uses Only. Not for general household use.

**1.4 Supplier's details**

Name    GAP Professional Products  
Address     122 Route 105  
    Keswick Ridge NB E6L 1B1  
    Canada  
  
Telephone    (506) 363-9708  
Fax    (506) 363-4241  
email    info@gapauto.com

**1.5 Emergency phone number**

For Medical or Transport Emergencies/  
Pour les urgences médicales ou de transport  
CANUTEC (24 Hours/Heures)  
(613) 996-6666

**SECTION 2: Hazard identification**

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with: WHMIS 2015**

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

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Not a hazardous substance or mixture.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

Component	Concentration
<b>Didecyltrimethylammonium chloride (CAS no.: 7173-51-5; EC no.: 230-525-2; Index no.: 612-131-00-6)</b> CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 1B. HAZARDS: H302 - Harmful if swallowed; H314 - Causes severe skin burns and eye damage.	< 1 % (weight)
<b>Alkyl(C12-C16)dimethylbenzylammonium Chloride (CAS no.: 68424-85-1)</b> CLASSIFICATIONS: No data available. HAZARDS: No data available.	< 1 % (weight)
<b>Ethylenediaminetetraacetic acid tetrasodium salt dihydrate (CAS no.: 64-02-8; EC no.: 200-573-9; Index no.: 607-428-00-2)</b> CLASSIFICATIONS: Serious eye damage/eye irritation, Cat. 1; Acute toxicity, oral, Cat. 4. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage.	< 0.1 % (weight)
<b>Alcohols, C12-15, ethoxylated (CAS no.: 68131-39-5)</b> CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Eye damage/irritation, Cat. 1; Hazardous to the aquatic environment - acute hazard, Cat. 2; Hazardous to the aquatic environment - long-term hazard, Cat. 3. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage; H401 - Toxic to aquatic life; H412 - Harmful to aquatic life with long lasting effects.	< 0.1 % (weight)
<b>Ethanol (CAS no.: 64-17-5; EC no.: 200-578-6; Index no.: 603-002-00-5)</b> CLASSIFICATIONS: Flammable liquids, Cat. 2. HAZARDS: H225 - Highly flammable liquid and vapor.	< 0.1 % (weight)

### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

General advice	If contaminated, remove affected clothes and wash before re-use.
If inhaled	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention
In case of skin contact	Immediately flush skin with lots of running water for at least 5 -10 minutes. Remove contaminated clothing and shoes. Wash before reuse.
In case of eye contact	. Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if easy to do. Get medical attention if symptoms occur.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

Causes serious eye irritation.

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

No data available.

### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Not considered a fire hazard.

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### 5.2 Specific hazards arising from the chemical

No specific fire or explosion hazard.

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Ethylenediaminetetraacetic acid tetrasodium salt dihydrate: Carbon oxides, Nitrogen oxides (NOx), Sodium oxides

### 5.3 Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

#### Further information

Use water spray to cool unopened containers.

## SECTION 6: Accidental release measures

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

Wear respiratory protection if necessary. Avoid breathing gas, mist, vapors, spray. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

### 6.2 Environmental precautions

Do not let concentrated product enter drains.

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

Large Spills: Absorb large spills with suitable adsorbent. Lime slurry, soda ash, or other alkali can neutralize the acid. Wash the residue down the drain or pit with plenty of water.

Small Spills: Small spills can be flushed down the drain with plenty of water.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Put on appropriate personal equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling.

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

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials(see Section 10) and food and drink. Do not store under freezing conditions or above 49 C (120 F). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of reach from children.

#### Specific end use(s)

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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### 1. Ethyl alcohol (Ethanol) (CAS: 64-17-5)

PEL (Inhalation): 1000 ppm (OSHA)

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

PEL (Inhalation): 1900 mg/m<sup>3</sup> (OSHA)

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

PEL (Inhalation): 1000 ppm (Cal/OSHA)

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

REL (Inhalation): 1000 ppm (NIOSH)

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

TLV<sup>®</sup> (Inhalation): (ST) 1000 ppm; USA (ACGIH)

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

### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

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

#### Eye/face protection

Recommended: Chemical splash goggles Ensure that eyewash stations and/or safety showers are close to the workstation location if working with concentrated product.

#### Skin protection

Recommended: Chemical-resistant gloves. Neoprene Nitrile

#### Body protection

When used for an extensive amount of time, long sleeves, and coveralls should be used. Avoid prolonged contact with skin.

#### Respiratory protection

Recommended: Dust mask or Respirator should be worn if product is used in confined space or used for a prolonged period of time.

## SECTION 9: Physical and chemical properties

Appearance, such as physical state and colour	Yellow Liquid
Odour	Lemon
Odour threshold	N/D
pH	7.5 – 8.0
Melting point and freezing point	N/A
Initial boiling point and boiling range	~ 100oC
Flash point	N/D
Evaporation rate	N/D
Flammability, in the case of solids and gases	N/A
Upper and lower flammability or explosive limits	LEL=N/A UEL=N/A
Vapour pressure	N/D
Vapour density	N/D
Relative density	N/D
Solubility	100%

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Partition coefficient — n-octanol/water	N/D
Auto-ignition temperature	N/D
Decomposition temperature	N/D
Viscosity	Thin Liquid

#### Additional properties

Explosive properties	None
Oxidising properties	None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Contact with incompatible materials.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Stable under normal use conditions.

### 10.4 Conditions to avoid

None under normal use conditions.

### 10.5 Incompatible materials

Do not store near acids, carbon dioxide (CO<sub>2</sub>), and strong oxidizers such as permanganate, chlorine, ectoderm.

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Ethylenediaminetetraacetic acid tetrasodium salt dihydrate: Strong oxidizing agents, Strong acids

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Ethanol: Alkali metals, Oxidizing agents, Peroxides

### 10.6 Hazardous decomposition products

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Ethylenediaminetetraacetic acid tetrasodium salt dihydrate: Other decomposition products - no data available  
In the event of fire: see section 5

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

(ATE)

LD50 (Oral) 4,261 mg/kg (rat)

LD50 (Dermal) >5,000 mg/kg (rabbit)

Didecyldimethylammonium chloride

LD50 (Oral) 430 mg/kg

LD50 (Dermal) 3,560 mg/kg

LC50 (Inhalation, 4 hr) No information available / Aucune information de disponible

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Alkyl(C12-C16)dimethylbenzylammonium Chloride

LD50 (Oral) 238 mg/kg (rat)

LD50 (Dermal) 3,342 mg/kg (rat)

LC50 (Inhalation, 4 hr) No information available / Aucune information de disponible

Tetrasodium ethylenediaminetetraacetate

LD50 (Oral) 3,030 mg/kg (rat)

LD50 (Dermal) >5,000 mg/kg (rabbit)

LC50 (Inhalation, 4 hr) No information available / Aucune information de disponible

Alcohols (C12-15) ethoxylate / Alcool (C12-15) éthoxylate

LD50 (Oral) No information available / Aucune information de disponible

LD50 (Dermal) No information available / Aucune information de disponible

LC50 (Inhalation, 4 hr) No information available / Aucune information de disponible

Ethanol / Éthanol

LD50 (Oral) 10,470 mg/kg (rat)

LD50 (Dermal) No information available / Aucune information de disponible

LC50 (Inhalation, 4 hr) 117 - 125 mg/kg (rat)

#### **Skin corrosion/irritation**

Acute and delayed symptoms and effects:

May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

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

Acute and delayed symptoms and effects:

Can cause severe irritation, redness, tearing, blurred vision.

#### **Respiratory or skin sensitization**

Acute and delayed symptoms and effects:

Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

#### **Germ cell mutagenicity**

No data available

#### **Carcinogenicity**

Carcinogenicity: Ingredients not listed by OSHA, NTP, IARC.

#### **Reproductive toxicity**

No data available.

#### **Specific target organ toxicity (STOT) - single exposure**

Primary route of entry: A) Skin B) Inhalation

#### **Specific target organ toxicity (STOT) - repeated exposure**

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

#### **Aspiration hazard**

May be harmful if swallowed and enters airways.

#### **Additional information**

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### CITRIC ACID: \*TOXICITY:

typ. dose mode specie amount units other

LD50 orl rat 11700 mg/kg

LD50 ipr rat 883 mg/kg

LD50 scu rat 5500 mg/kg

LD50 orl mus 5040 mg/kg

LD50 ipr mus 961 mg/kg

LD50 scu mus 2700 mg/kg

LD50 ivn mus 42 mg/kg

LDLo orl rbt 7000 mg/kg

LD50 ivn rbt 330 mg/kg

\*AQTX/TLM96: Not available

### \*SAX TOXICITY EVALUATION:

THR = MODERATE orally and by inhalation. A MODERATE irritating organic acid, some allergenic properties. A sequestrant food additive. Also a general-purpose food additive.

\*CARCINOGENICITY: Not available

\*MUTATION DATA: Not available

\*TERATOGENICITY: Not available

### \*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

### \*OTHER TOXICITY DATA:

Skin and Eye Irritation Data:

skn-rbt 500 mg/24H MOD

eye-rbt 750 ug/24H SEV

Status: Reported in EPA TSCA Inventory, 1983

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Didecyldimethylammonium chloride: From NIH:

guinea pig LDLo intraperitoneal 7mg/kg (7 mg/kg) BEHAVIORAL: CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD

LUNGS, THORAX, OR RESPIRATION: OTHER CHANGES National Technical Information Service. Vol. AD867-663,

mouse LD50 intraperitoneal 11mg/kg (11 mg/kg) BEHAVIORAL: MUSCLE WEAKNESS National Technical Information Service.

Vol. AD867-663,

mouse LD50 oral 268mg/kg (268 mg/kg) BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) National Technical

Information Service. Vol. AD867-663,

rat LD50 intraperitoneal 45mg/kg (45 mg/kg) BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY)

BEHAVIORAL: MUSCLE WEAKNESS National Technical Information Service. Vol. AD867-663,

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rat LD50 oral 84mg/kg (84 mg/kg) BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) National Technical Information Service. Vol. AD867-663,

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Ethanol: Stomach - Irregularities - Based on Human Evidence

#### SECTION 12: Ecological information

##### Toxicity

Didecyldimethylammonium chloride

LC50 (Danio rerio, 96 hr) 0.97 mg/kg

LC50 (Daphnia magna, 48 hr) 0.057 mg/kg

NOEC (Daphnia magna, 21 d) 0.021 mg/kg

EC50 (Algae, 72 hr) 0.062 mg/l

Alkyl(C12-C16)dimethylbenzyl-ammonium Chloride

LC50 (Lepomis macrochirus, 96 hr) 0.515 mg/l

NOEL (Daphnia magna) 0.0042 mg/kg (rat)

Tetrasodium ethylenediaminetetraacetate

LC50 (Pimephales promelas, 96 hr) >100 mg/l

LC50 (Lepomis macrochirus, 96 hr) 157 – 2,070 mg/l

Alcohols (C12-15) ethoxylate / Alcool (C12-15) éthoxylate

EC50 (Algae, 72 hr) 10 – 100 mg/l

EC50 (Daphnia magna, 48 hr) 5 – 10 mg/l

LC50 (Fish, 96 hr) 5 – 10 mg/l

Ethanol / Éthanol

EC50 (Algae, 72 hr) 675 mg/l

EC50 (Daphnia magna, 48 hr) 5,012 mg/l

LC50 (Pimephales promelas, 96 hr) 14,200 mg/l

NOEL (Daphnia magna, 9 d) 9.6 mg/l

##### Persistence and degradability

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Alcohols, C12-15, ethoxylated: Readily biodegradable

#### SECTION 13: Disposal considerations

##### Disposal methods

##### Product disposal

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Dispose of empty bottle in the trash or recycle where facilities exist.

#### SECTION 14: Transport information

14.1	UN Number	None
14.2	UN Proper Shipping Name	None



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14.3	Transport hazard class(es)	None
14.4	Packing group	None
14.5	Environmental hazards	None
14.6	Special precautions for user	None
14.7	Transport in bulk according to IMO instruments	None

## SECTION 15: Regulatory information

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

#### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

Acute Health Hazard

#### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know Components

Ethylenediaminetetraacetic acid tetrasodium salt dihydrate  
CAS-No. 10378-23-1

#### New Jersey Right To Know Components

Ethylenediaminetetraacetic acid tetrasodium salt dihydrate  
CAS-No. 10378-23-1

#### 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.

#### California Prop. 65 Components

WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm: ethylene oxide (75-21-8).

WARNING: This product contains a chemical known to the State of California to cause cancer.  
1,4-dioxane (CAS 123-91-1) Listed: January 1, 1988

#### New Jersey Right To Know Components

Common name: ETHYL ALCOHOL  
CAS number: 64-17-5

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#### Pennsylvania Right To Know Components

Chemical name: Ethanol

CAS number: 64-17-5

#### Massachusetts Right To Know Components

Chemical name: Ethanol

CAS number: 64-17-5

#### California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

CAS-No. 64-17-5: Ethanol

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

CAS-No. 64-17-5: Ethanol

## SECTION 16: Other information

### 16.1 Further information/disclaimer

These SDS are written in an effort to provide information to the worker in the workplace and in such a way it can be understood. To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

### 16.2 Preparation information

Prepared by Craig Gourley