

# Safety Data Sheet

## Advanced Vacuum Cleaning Solution

SDS Revision Date: 06/8/2017

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

#### 1.1. Product identifier

**Product Identity** Advanced Vacuum Cleaning Solution  
**Alternate Names** Not Applicable

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** Cleaning Product  
**Application Method** Intended for industrial and professional use.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name** AIRANDVAC.COM  
1954 FRIENDSHIP DRIVE, SUITE 103  
EL CAJON, CA 92020  
USA

#### Emergency

**airandvac.com** (800) 743-8280

**Customer Service:** Phone: (619) 562-3060  
Fax: (619) 562-3145

### 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

Not a hazardous substance or mixture

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

#### **[Prevention]:**

Wash hands thoroughly after handling.

#### **[Response]:**

Get medical advice / attention if you feel unwell.

#### **[Storage]:**

Store in accordance with local regulations.

#### **[Disposal]:**

No GHS disposal statements

### 3. Composition/information on ingredients

3.1. This product is a mixture of the following ingredients and contains no hazardous ingredients

| Ingredient/Chemical Designations | Weight % | GHS Classification | CAS-no.   |
|----------------------------------|----------|--------------------|-----------|
| Propylene glycol                 | 10 – 30  | Not classified     | 57-55-6   |
| Glycerin                         | 1 – 5    | Not classified     | 56-81-5   |
| Subtilisin                       | 0.1 – 1  | Not classified     | 9014-01-1 |

### 4. First aid measures

#### 4.1. Description of first aid measures

|                                   |  |
|-----------------------------------|--|
| <b>General</b>                    | In all cases of doubt, or when symptoms persist, seek medical attention.<br>Never give anything by mouth to an unconscious person. |
| <b>Inhalation</b>                 | Get medical attention if symptoms occur.   |
| <b>Eyes</b>                       | Rinse with plenty of water.  |
| <b>Skin</b>                       | Rinse with plenty of water.  |
| <b>Ingestion</b>                  | Rinse mouth. Get medical attention if symptoms occur.  |
| <b>Protection of first-aiders</b> | No special precautions are necessary for first aid responders.   |
| <b>Notes to physician</b>         | No specific measures identified.   |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                 |   |
|-----------------|---|
| <b>Overview</b> | See section 11 for further details if applicable. |
|-----------------|---|

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
No unsuitable extinguishing media known.  
Not flammable or combustible.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: None under normal use.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

#### 5.3. Advice for fire-fighters

Use personal protective equipment.

## 6. Accidental release measures

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

Refer to protective measures listed in sections 7 and 8.

### 6.2. Environmental precautions

No special environmental precautions required.

### 6.3. Methods and material for containment and cleaning up

Stop leak if safe to do so. Contain spillage and then collect with a non-combustible absorbent material like sand, earth, diatomaceous earth or vermiculite to soak up product and place in a container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Wash hands after handling. For personal protection see section 8.

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

Keep out of reach of children. Store in suitable labeled containers.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

| CAS No. | Ingredient       | Source  | Value  |
|---------|------------------|---------|--|
| 57-55-6 | Propylene glycol | WEEL    | Permissible concentration: 10 mg/m <sup>3</sup> , Form of exposure: TWA                      |
| 56-81-5 | Glycerin         | OSHA Z1 | Permissible concentration: 5 mg/m <sup>3</sup> , Form of exposure: TWA (respirable fraction) |
|         |                  | ACGIH   | Permissible concentration: 10 mg/m <sup>3</sup> , Form of exposure: TWA                      |

### 8.2. Exposure controls

#### Respiratory

No personal respiratory protective equipment normally required.

#### Eyes

No special protective equipment required.

#### Skin / Hands

No special protective equipment required.

#### Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating or drinking and after smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## 9. Physical and chemical properties

|  |  |
|--|--|
| <b>Appearance</b>                              | Liquid – clear, orange                       |
| <b>Odor</b>                                    | Perfumes, fragrances                         |
| <b>Odor threshold</b>                          | No data available                            |
| <b>pH</b>                                      | 6.5 – 8.0                                    |
| <b>Melting point / freezing point</b>          | No data available                            |
| <b>Initial boiling point and boiling range</b> | No data available                            |
| <b>Flash Point</b>                             | Not applicable, does not sustain combustion. |
| <b>Evaporation rate</b>                        | No data available                            |
| <b>Flammability (solid, gas)</b>               | No data available                            |
| <b>Upper Explosive Limit</b>                   | No data available                            |
| <b>Lower Explosive Limit</b>                   | No data available                            |
| <b>Vapor pressure</b>                          | No data available                            |
| <b>Relative vapor density</b>                  | No data available                            |
| <b>Relative density</b>                        | 1.01 – 1.03                                  |
| <b>Solubility in Water</b>                     | Soluble                                      |
| <b>Solubility in other solvents</b>            | No data available                            |
| <b>Partition coefficient n-octanol/water</b>   | No data available                            |
| <b>Auto-ignition temperature</b>               | No data available                            |
| <b>Decomposition temperature</b>               | No data available                            |
| <b>Viscosity, kinematic</b>                    | No data available                            |
| <b>Explosive properties</b>                    | No data available                            |
| <b>Oxidizing properties</b>                    | No data available                            |
| <b>Molecular weight</b>                        | No data available                            |
| <b>VOC</b>                                     | No data available                            |

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Chemical stability

Stable under normal circumstances.

### 10.2. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.3. Conditions to avoid

None known

### 10.4. Incompatible materials

None known

### 10.5. Hazardous decomposition products

Decomposition products may include the following materials: Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sulfur oxides, Oxides of phosphorus.

## 11. Toxicological information

### Acute dermal toxicity

| Ingredient | Oral LD50, mg/kg  | Skin LD50, mg/kg     | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr | Inhalation Gas LD50, ppm |
|------------|-------------------|----------------------|---------------------------------|-------------------------------------|--------------------------|
| Glycerin   | No data available | 23,000 mg/kg, Rabbit | No data available               | No data available                   | No data available        |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification                | Category | Hazard Description                     |
|-------------------------------|----------|--|
| Acute toxicity (oral)         | ---      | Estimated: > 5,000 mg/kg               |
| Acute toxicity (dermal)       | ---      | Not Applicable                         |
| Acute toxicity (inhalation)   | ---      | 4 h Acute toxicity estimate: > 40 mg/l |
| Skin corrosion/irritation     | ---      | Not Applicable                         |
| Serious eye damage/irritation | ---      | Not Applicable                         |
| Respiratory sensitization     | ---      | Not Applicable                         |
| Skin sensitization            | ---      | Not Applicable                         |
| Germ cell mutagenicity        | ---      | Not Applicable                         |
| Carcinogenicity               | ---      | Not Applicable                         |
| Reproductive effects          | ---      | Not Applicable                         |
| Teratogenicity                | ---      | Not Applicable                         |
| STOT-single exposure          | ---      | Not Applicable                         |
| STOT-repeated exposure        | ---      | Not Applicable                         |
| Aspiration hazard             | ---      | Not Applicable                         |

**Likely routes of exposure:** Inhalation, Eye contact, Skin contact  
**Potential Health Effects:** Health injuries are not known or expected under normal use.  
**Experience with human exposure:** Health injuries are not known or expected under normal use.

## 12. Ecological information

12.1. This product has no known ecotoxicological effects.

| Ingredient       | 96 hr LC50 fish, mg/l | 48 hr EC50 daphnia/etc, mg/l | 96 hr EC50 algae, mg/l |
|------------------|-----------------------|------------------------------|------------------------|
| Propylene glycol | >10,000 mg/l          | 18,340 mg/l                  | 19,000 mg/l            |
| Glycerin         | 855 mg/l              | No data available            | No data available      |
| Subtilisin       | No data available     | 1.4 mg/l                     | No data available      |

**Toxicity to fish:** No data available  
**Toxicity to daphnia and other aquatic invertebrates:** No data available  
**Toxicity to algae:** No data available

## 12.2. Persistence and degradability

No data available.

## 12.3. Bioaccumulative potential

No data available.

## 12.4. Mobility in soil

No data available.

## 12.5. Other adverse effects

No data available.

# 13. Disposal considerations

## 13.1. Disposal methods

Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

## 13.2. Disposal considerations

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

# 14. Transport information

## Land Transport (DOT)

Not dangerous goods

## Sea Transport (IMDG/IMO)

Not dangerous goods

# 15. Regulatory information

## Regulatory Overview

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

## EPCRA – Emergency Planning and Community Right-to-know

### CERCLA Reportable Quantity:

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity:

This material does not contain any components with a section 304 EHS RQ.

### SARA 311/312 Hazards:

No SARA Hazards

### SARA 302:

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

### 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.

### California Prop 65:

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

The ingredients of this product are reported in the following inventories:

**United States TSCA Inventory:**

On TSCA Inventory.

**Canadian Domestic Substances List (DSL):**

All components of this product are on the Canadian DSL.

**Australia Inventory of Chemical Substances (AICS):**

Not determined

**New Zealand. Inventory of Chemical Substances:**

Not determined

**Japan. ENCS – Existing and New Chemical Substances Inventory:**

Not determined

**Japan. ISHL – Inventory of Chemical Substances (METI):**

Not determined

**Korea. Korean Existing Chemicals Inventory (KECI):**

Not determined

**Philippines Inventory of Chemicals and Chemical Substances (PICCS):**

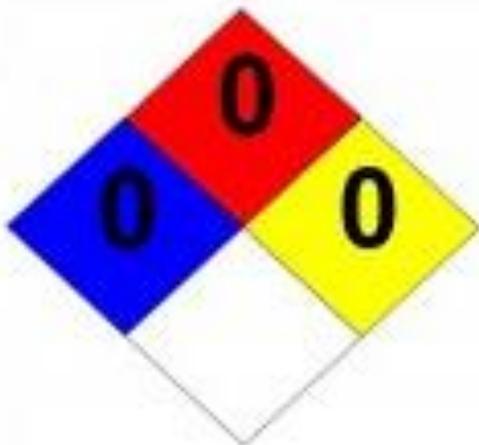
Not determined

**China. Inventory of Existing Chemical Substances in China (IECSC):**

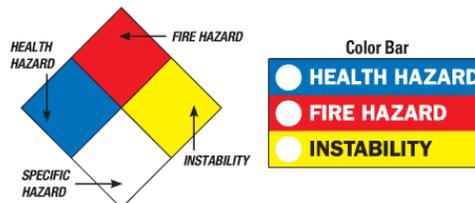
Not determined

**16. Other information**

**NFPA:**



**HMIS III:**



| RATING EXPLANATION GUIDE   |  |  |
|--|--|--|
| HEALTH   | FLAMMABLE  | INSTABILITY  |
| Recommended Protection   | Susceptibility to Burning                        | Susceptibility to Energy Release                   |
| 4<br>Special full protective suit and breathing apparatus must be worn | 4<br>Very Flammable                              | 4<br>May detonate under normal conditions          |
| 3<br>Full protective suit and breathing apparatus should be worn       | 3<br>Ignites under normal temperature conditions | 3<br>May detonate with shock or heat               |
| 2<br>Breathing apparatus with full face mask should be worn            | 2<br>Ignites with moderate heating               | 2<br>Violent chemical change but does not detonate |
| 1<br>Breathing apparatus may be worn                                   | 1<br>Ignites when preheated                      | 1<br>Not stable if heated use precautions          |
| 0<br>No precautions necessary  | 0<br>Will not ignite                             | 0<br>Normally stable                               |

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

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