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

General In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation Get medical attention if symptoms occur.

Eyes Rinse with plenty of water.

Skin Rinse with plenty of water.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Protection of first-aiders No special precautions are necessary for first aid responders.

Notes to physician No specific measures identified.

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

Overview 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/m3, Form of exposure: TWA
56-81-5	Glycerin	OSHA Z1	Permissible concentration: 5 mg/m3, Form of exposure: TWA (respirable fraction)
		ACGIH	Permissible concentration: 10 mg/m3, 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

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

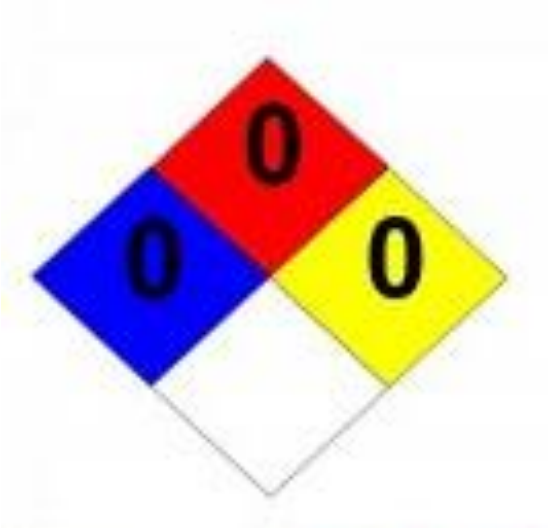
Korea. Korean Existing Chemicals Inventory (KECI):
Not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS):
Not determined

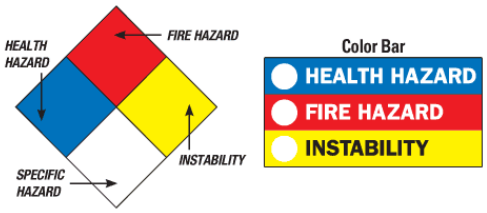
China. Inventory of Existing Chemical Substances in China (IECSC):
Not determined

16. Other information

NFPA:



HMIS III:



RATING EXPLANATION GUIDE

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

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

The information provided on the SDS is a correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.