

**SAFETY DATA SHEET****AERISGUARD DRAIN DEFENCE****SECTION 1: IDENTIFICATION**

Product name: **AerisGuard Drain Defence**  
Product code: AG-AS-A  
Uses: Natural Mould and Odour suppressor for cleaning & remediation of drains.  
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**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture  
Classification according to GHS 7<sup>th</sup> edition:  
Extremely Flammable Aerosol category 1.  
Eye irritation category 2.
- 2.2 Label elements.



Signal word: DANGER

Hazard statements:

H222 Extremely flammable aerosol  
H229 Pressurised container: May burst if heated  
H319 Causes serious eye irritation

Precautionary statements (GHS):

Prevention:

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.  
P264: Wash hands thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+352: IF ON SKIN: Wash with plenty of water  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P337+313: If eye irritation persists get medical advice/attention.  
P362: Take off contaminated clothing.

**Storage:**

P410: Protect from sunlight.

P412: Do not expose to temperatures exceeding 50°C/122°F.

**Disposal:**

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

**SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS**

The following is the ingredients without the propellant:

Material	CAS number	Level	GHS /CLP (EC) No. 1272/2008 Classification
Non-pathogenic bacterial cultures	9014-01-1	proprietary	Not classified at this concentration
Polyvinyl Alcohol	9002-89-5	Proprietary	Not classified
Ethanol	57-55-6	5 -10	Not classified at this concentration
Alkoxylated detergent	68131-39-5	0.1-5	Not classified at this concentration
Water	7732-18-5	To 100%	-

**SECTION 4: FIRST AID**

- Eye contact:** 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.
- Swallowed:** Immediately rinse mouth and drink plenty of water. Seek medical attention if symptoms persist.
- Skin contact:** Remove contaminated clothing. Rinse skin with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs, get medical advice/attention.
- Inhalation:** Unlikely to happen since the product is a foam. However inhalation of fine mist may cause allergic reaction. Remove from contaminated area. Move to fresh air, rest patient. If experiencing respiratory distress, contact a doctor/physician.

First Aid Facilities: Access to potable water. Wash bottles or eye wash stations or showers.

**SECTION 5: FIRE FIGHTING MEASURES****5.1. Extinguishing media.**

Use water fog, dry chemical, carbon dioxide or foam. In the absence of water fog, a fine spray can be used.

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

Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapours are heavier than air and may travel along surfaces to remote ignition sources and flash back. Combustion will produce oxides of carbon and hydrocarbons.

### 5.3. Advice for firefighters.

Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.

## SECTION 6: SPILLAGE ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures  
Eliminate all sources of ignition. Ventilate area. Evacuate unnecessary personnel.
- 6.2. Methods and material for containment and cleaning up  
Leaking cans should be placed in a plastic bag or an open pail until the pressure has dissipated. Spray water to the spilled liquid, and place in a container for disposal. Clean spill area thoroughly with water. Report large spills to authorities as required.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Precautions for safe handling:

**DO NOT SMOKE. EXTREMELY FLAMMABLE AEROSOL.** Pressurised dispenser. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not spray on a naked flame or other ignition source. Do not pierce or burn even after use.

#### Hygiene measures:

Take care for general good hygiene and housekeeping. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

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

Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat, hot surfaces, sparks, open flames and other ignition source.

### 7.3. Specific end use(s)

Use only as directed. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

### 8.1 Control parameters

These are guides only and do not represent 'no-effect' levels, which guarantee protection to every worker.

Worksafe Australia has established exposure standards for the following ingredients:

Standard Name	CAS No	TWA (ppm)	TWA (mg/m <sup>3</sup> )
Ethyl alcohol	64-17-5	1000	1880
Butane	106-97-8	800	1900

### 8.2 Exposure controls

These measures are recommended on the basis of common application methods and may not be appropriate to all potential applications of the product. The user is responsible for carrying out a full risk assessment for their specific processes and systems of work.

#### Personal protective equipment:

Eye protection: Wear eye protection such as safety goggles.

Hand protection: Wear chemical resistant gloves.

Body protection: As necessary to prevent contact.



Avoid contact with eyes. Minimise contact with skin. Wear appropriate protective equipment such as safety goggles and gloves. Wash hands after handling.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

The following is the property of the liquid without the hydrocarbon propellant:

Appearance:	A clear to slightly hazy liquid
Boiling point:	>100°C
Vapour pressure:	Not available
Density @ 20°C	0.98 – 1.05 g/mL
Solubility in water:	Soluble
Reactivity in water/air:	Not reactive
Incompatibility (materials to avoid):	None
pH:	6 - 8
Flash point:	Not available, this product is an extremely flammable aerosol

#### SECTION 10: STABILITY AND REACTIVITY

This material is stable under normal conditions of use.

##### 10.1 Reactivity

Not reactive

##### 10.2 Chemical stability

The mixture is stable at normal ambient temperature (5 – 50°C).

##### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

##### 10.4 Conditions to avoid

Storing at temp above 50 °C. Ignition source, open flame. No Smoking.

##### 10.5 Incompatible materials

Incompatible with oxidising agents and acids.

##### 10.6 Hazardous decomposition products

Does not decompose when used as intended.

#### SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology of the solution without the propellant have not been performed as a whole. According to GHS classification the liquid without the propellant is not classified as hazardous.

Acute toxicity: Not expected to be toxic by ingestion.

Chronic oral: Not expected to have chronic toxicity. None of the ingredients are classified as Carcinogenic, teratogenic or mutagenic.

Dermal/Skin: May cause slight irritation.

Eye: May causes eye irritation.

Respiratory: May cause slight irritation.

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**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity study of this preparation is not available; however, all the ingredients in this product are readily biodegradable. None of the ingredients are in the persistent and bioaccumulative list.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Do not pierce or burn can even after use. Do not contaminate water, food or feed. Completely empty the can following the instruction for use on the label. Dispose of the package in a sanitary landfill, or by incineration, if allowed by State and local authorities. If burned, stay out of smoke.

**SECTION 14: TRANSPORT INFORMATION**

**Classified as Dangerous goods Class-2.1 Aerosol, Flammable.**

Transport according to local/international dangerous goods regulations.

PROPER SHIPPING NAME: **AEROSOL, FLAMMABLE**

UN No.: **1950**

HazChem: **2(Y)E**

Packing group: **II**

Subsidiary risk **None**

**SECTION 15: REGULATORY INFORMATION**

All the ingredients are listed in the AICS (Australian Inventory of Chemical Substances), TSCA (Toxic Substance Control Act), and EINECS (European Inventory of Existing Commercial Substances) or exempted.

**SECTION 16: OTHER INFORMATION**

“The opinions expressed herein are those of qualified experts. We believe that the information contained herein is current as of the date of this SDS. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Aeris Environmental it is the user’s obligation to assure safe use of the product.”

Date of SDS REVISION: 9/3/2021

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