# Safety Data Sheet

## Section 1 Material identification and supplier

| | |
|---|---|
| **Product name** | **BEER LINE CLEANER** |
| **Other names** | No other names |
| **Product Code** | B1 |
| **Document released** | April 2015 |
| **Current update** | March 2024 |
| **Review Date** | 2029 |

**Summary**

This product is a white free flowing blend of oxygenated poly-alkaline salts, with a sequestering chelate and food standard and environmentally enhanced surfactants.

**Suggested use**

Use dissolved in warm-hot potable water 45-60°C in a soak-bathing method to clean off and remove beer protein-tannin-silica surface staining and other beer typical organic soils on plastic or stainless steel beer line interior surfaces. Not recommended for soaking aluminium or soft metal items in solutions.

**Company**

Wine Industry Support Enterprises Pty. Ltd. - ACN 099 644 416
**AiRD-Innovations in Chemistry ®™ Frontier Chemistry ®™**

| | | |
|---|---|---|
| Telephone | International | +61 2 417 894 682 |
| | Australia | 0417 894 682/0477 052 907 |
| Location | Unit 6, 59 - 65 Berrima Road, Moss Vale NSW 2577 Australia | |
| Email | info@airdchemistry.com | |

| | | | |
|---|---|---|---|
| **Emergency telephone:** | Australia | Poisons Information Centre | **1800 251525 / 131126** |
| | | Chemcall | **1800 127406** |

## Section 2 Hazards identification

**Hazard Classification** This product is hazardous according to GHS and Safe Work Australia.
**Hazard Category** IRRITANT



**Signal word** WARNING

**Hazard Statements**

May be corrosive to soft metals with an extended surface contact time.
H303: May be harmful if swallowed
IF SWALLOWED immediately call a medical doctor/physician
H316: Causes mild skin irritation (where surface perspiration is presenting)
H320: Causes eye irritation
H335: May cause respiratory irritation (from any airborne dust)

**Precautionary statement(s)**

P102: Keep out of the reach of children
P103: Read the label before use
P210: keep away from heat
P233: Keep container tightly closed
P264: Wash hands thoroughly after handling
P270: Do not eat or drink when handling this product
P281: Use personal protective equipment (PPE) as recommended
P310: If exposed, immediately call a medical doctor/physician

## Section 3 Composition and information on ingredients

| | | | |
|---|---|---|---|
| **A mixture from** | Sodium carbonate | CAS | 497-19-8 |
| | Sodium bicarbonate | CAS | 144-55-8 |
| | Sodium percarbonate | CAS | 15630-89-4 |
| | Proprietary sequestering-chelate | *From biodegradable non-phosphate substances* | |
| | Proprietary anionic /non-ionic /amphoteric surfactant | *Plant derived biodegradable blend* | |
| **Further references** | Australian Inventory of Chemical Substances (AICS), Chemical Abstract Service (CAS) | | |

## Section 4 First aid measures

**First Aid Facilities** Eye and hand washing station

**Ingestion** The solid and its aqueous solution have a mildly caustic action.
It is likely to cause a sore throat, diarrhoea, abdominal pain, nausea & vomiting.
Rinse the mouth with water. Give water to drink. Do not induce vomiting.
If vomiting occurs wash out the mouth with water provided the victim is conscious.
**Seek immediate medical advice.**

**Eye** The dust and particles are likely to cause eye irritation, and extended granular contact will cause severe optic irritation, although permanent eye damage is not expected. Immediately irrigate with copious amounts of water for at least 15 minutes while holding the eyelids open. Seek Medical advice if irritation persists.

**Skin** A moderate skin irritant. Repeated or prolonged contact with rubbing of granules of this material may lead to local redness, rash and dermatitis on sensitive skins.
Wash affected skin with plenty of soap & water.
Remove any contaminated clothing & wash before re-use.
If irritation persists seek Medical advice.

**Inhaled** Repeated or prolonged inhalation of dust will cause sneezing and coughing.
Remove the victim from the source of exposure to fresh air.
Allow the patient to assume the most comfortable position.
Keep the patient warm until fully recovered.
Seek Medical advice if coughing persists.

**Advice to Doctor** Treat symptomatically as for weak alkali-oxidiser exposure.

**Health effects** From available information, no adverse effects are anticipated from repeated over-exposures.

## Section 5 Fire-fighting measures

**Specific hazards** Non-combustible material.

**Fire-fighting advice** Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if there is a risk of exposure to the products of decomposition.

**Extinguishing media** Not combustible, but if this material is involved in a fire use a water fog or fine water spray, foam, or dry agent such as carbon dioxide or dry chemical powder.

**Hazchem** Emergency Action Code: Not applicable

## Section 6 Accidental release measures

Ensure that the clean-up is conducted by trained personnel.

Avoid creating airborne dusts when recovering spilt material.
Avoid breathing any existing dusts. Increase ventilation on site if dusts are a problem.
Wear appropriate protective equipment including boots, safety glasses, chemical resistant gloves and an approved respirator for particulate dust.



Collect by brooming or vacuuming, scoop, place and seal material in properly labelled containers or drums for disposal according to the local regulations.
Wash-down affected area with plenty of water.
Hard surface aqueous solutions may be slippery.

## Section 7 Handling and storage

Handle all packages with due care.
Avoid contact with the skin and eyes.
Store in a dry, ventilated, cool place (10-20°C)
Store away from incompatible materials and foodstuffs

Store out of direct sunlight and away from heat. If subjected to a continuous surrounding hot environment, the oxidising nature of part of the product may be diminished.

Keep all containers sealed when the product is not in use to maintain quality and minimise hygroscopic action. Check regularly for spillages.

## Section 8 Exposure controls, personal protection

**Occupational Exposure Limits**

No value has been assigned for this product by **SafeWork Australia,**
(Safe Work Australia is an Australian Government statutory agency est.2009)

**Published NOHSC Exposure Standard(s) for particulates**.

Nuisance dust: 8hr TWA = 10mg/m3

**TWA** Time weighted average airborne concentration over an 8 hour working day, for a 5 day working week over an entire working life.
These exposure standards are only guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and/or dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Engineering Control Measures** Ensure ventilation is adequate and that air/material concentrations are controlled below quoted Exposure Standards. Avoid generating airborne dusts.

**Personal Protective Equipment** Appropriate work clothing and shoes/boots, safety glasses, chemical resistant gloves, dust mask/respirator (AS/NZS 1715,1716)

**Other protective Measures** Always wash your hands before smoking, eating, drinking and using the toilet.
Wash contaminated clothing and other protective equipment before storage or re-use.

## Section 9 Physical and chemical properties

| | |
|---|---|
| **Physical state** | Granular powder mixture |
| **Colour** | White |
| **Odour** | Mild, detergent |
| **Solubility in water** | Soluble in water ~100 g/L @ 20°C |
| **Specific gravity** | ~1.05 gm/cm3 |
| **Particle size Range** | 0.05 – 1.0 mm |
| **pH** | ~10.50 - 10.75 (1% w/v aqueous soln.) |
| **Active components** | 100% |
| **Other** | Contains no GMO, phosphate, chlorine or hydroxide materials |

## Section 10 Stability and reactivity

This material is stable when stored and used as recommended.

As a concentrate it is mildly corrosive toward aluminium and galvanised steel in aqueous solutions combined with a long continuous contact time (bath).
It will effervesce strongly in contact with an acid.
This product is hygroscopic. Polymerisation will not occur.

## Section 11 Toxicological information

No adverse health effects are expected if the product is handled in accordance with this safety data information and the product label.

Symptoms or effects that can arise if this product is mishandled are discussed in Section 4 – First Aid Measures as above.
The product is an irritant for the eyes and may irritate the skin and respiratory tract.

**Long term effects** No information available for this product

**Toxicological data**

| | | |
|---|---|---|
| Sodium carbonate | Oral LD50 (rat) | 4090 mg/kg |
| | Dermal | Not available |
| | Inhalation | LC50 2300 mg/m3 (2 hour period) |
| | Eyes (rabbit) | Moderate irritant |
| Sodium per-carbonate | Oral LD50(rat) | 1034mg/kg |
| | Dermal | 2000mg/kg |

**Carcinogenicity** The materials are not classified as carcinogenic.

**Mutagenicity** The product is non-mutagenic, non-teratogenic.

## Section 12 Ecological information

Avoid contaminating the environment with concentrated material.
Avoid disposal to natural waterways with concentrated non-neutralized solutions.

**Degradability** Aqueous solutions of this product are highly biodegradable (< 30days)
**Eco-toxicity** In a dilute aqueous solution it is not expected to harm marine or aquatic life.

## Section 13 Disposal considerations

Refer to the Waste Management Authority.
Dispose of through a licensed waste contractor.

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## Section 14 Transport information

**Label**

In accordance with the Safe Work Australia 'Code of Practice' for workplace substances.

**Road/Rail transport**

**Not classified as Dangerous Goods** by the criteria of the Australian Dangerous Goods Code (ADGCode) for transport by road & rail.

**Marine transport**

**Not Classified as Dangerous Goods** by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Codes**

| | |
|---|---|
| UN No. | Not required |
| DG Class | Not applicable |
| Subsidiary Risk | Not applicable |
| Packaging Group | Not applicable |
| Hazchem Code | None allocated |
| EPG | Not required |

## Section 15 Regulatory information

| | |
|---|---|
| Signal word: | WARNING |
| Hazard statements: | Physical, Health and Precautionary Statements Sec.2 Page 1 this SDS |
| Classification: | HAZARDOUS SUBSTANCE. IRRITANT |



This product is unregulated (No UN code) because of its low risk as a mixture.

H303: May be harmful if swallowed
H316: Causes mild skin irritation (where surface perspiration is presenting)
H320: Causes eye irritation
H335: May cause respiratory irritation (from any airborne dust)

IF SWALLOWED immediately call a medical doctor/physician.

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## Section 16 Other information

### REFERENCES and SOURCES

Registry of Toxic Effects of Chemical Substances
***D.Sweet, US Dept of Health and Human Services: Cincinatti 2003.***

HERA(Human & Environmental Risk Assessment)- Sodium Carbonate/Sodium percarbonate
***HERA PROJECT EU Report Summary - March 2002.***

Approved Criteria for classifying Hazardous Substances,
National Code of Practice for the Labelling of Workplace Substances,
Preparation of Safety Data Sheets for **Hazardous** Chemicals
Managing Risks of **Hazardous** Chemicals in the Workplace
***Safework Australia (National Occupational Health and Safety Commission)***

Document prepared according this method
***Global Harmonised System (GHS).***

### APPROVALS and COMPLIANCE

**Australia**

The materials in BEEROX-BEERLINE CLEANER assists companies to comply with the FSANZ (Food Standards Australia & New Zealand) Standards 1.2.1, 1.2.4, 1.2.6, 1.3.3, 1.4.3.

BEEROX BEERLINE CLEANER complies with the Dept. of Agriculture, Fisheries and Forestry (DAFF), Australian Quarantine Inspection Service (AQIS) and the Organic Federation of Australia (OFA) and affiliates approved substances for organic biodynamic food production.
The National Standard for Organic and biodynamic produce, Edition 3.8, November 2022.
Substances permitted for sanitation, storage handling, Page 61, Appendix E.

### DISCLAIMER

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of this product and general guidance on how to handle the material in the workplace.
If clarification or further information is needed, the user should contact us from the information in the Materials and Supplier information - Section 1 herein.

This information is supplied in good faith, but since data, safety standards & Government regulations are subject to change, and, as the conditions of handling and use or misuse ar e beyond our control, we make no warranty, either express or implied, with respect to the completeness or accuracy of the information contained herein subsequent to the time of compilation.