



SAFETY DATA SHEET
MULTI-ENZYME COOLING TOWER CLEANER

SECTION 1: IDENTIFICATION

Product name: **Multi-Enzyme Cooling Tower Cleaner**
Product code: AGUS-WT-5G

Uses: To clean water cooling towers.

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SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture
 - 2.1.1 Classification according to GHS: Not classified as hazardous
 - 2.1.2 Additional information:
For full text Hazard- and EU Hazard-statements: see SECTION 15 and SECTION 16
- 2.2 Label elements
Labelling according to GHS, Regulation (EC) No 1272/2008 [CLP] Pictogram:
None required
Signal word: None required Hazard statements:
None required Precautionary statements:
P261: Avoid breathing mist, spray and vapours P280:
Wear gloves and eye protection
- 2.3 Other hazards
Contains enzymes. May produce an allergic reaction on prolonged contact. Slippery when spilled.



SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

| Material | CAS number | Level | GHS /CLP (EC) No. 1272/2008 Classification |
|--------------------------------------|------------|---------|---|
| Alkoxylated alcohol | 68439-50-9 | 1-5% | Not classified at this concentration |
| Sodium tetraborate decahydrate | 1303-96-4 | <5% | Repr. 1B, H360 Not classified at this concentration |
| Propylene Glycol Halal Kosher | 57-55-6 | 1-5% | Not classified at this concentration |
| Protease as pure enzyme protein | 9014-01-1 | 0.1-1% | Skin Irrit. 2, H315, Eye Dam. 1, H318, Resp. Sens.1, H334 STOT SE 3, H335 Not classified at this concentration |
| Lipase as pure enzyme protein | 9001-62-1 | 0.1-1% | Not classified at this concentration |
| Endocellulase as pure enzyme protein | 9012-54-8 | 0.1-1% | Resp. Sens. 1, H334 Not classified at this concentration |
| Alpha-amylase as pure enzyme protein | 9000-90-2 | 0.1-1% | Resp. Sens. 1, H334 Not classified at this concentration |
| C37H34N2Na2O9S3 Blue Dye CI 42090 | 3844-45-9 | < 0.01% | 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.
- Inhalation: Remove from contaminated area. Move to fresh air, rest patient. If required, seek medical advice.



SECTION 5: FIRE FIGHTING MEASURES

Non-flammable. Will not promote combustion.

SECTION 6: SPILLAGE ACCIDENTAL RELEASE MEASURES

Avoid entering waterways. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Mop up the remaining material.

SECTION 7: HANDLING AND STORAGE

Store upright in a cool, dry area, out of direct sunlight. Keep containers closed when not in use.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

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

| | |
|---------------------------------------|--------------------------------------|
| Appearance: | A clear to slightly hazy blue liquid |
| Boiling point: | >100°C(>212°F) |
| Vapour pressure: | Not available |
| Density @ 20°C(68°F) | 1.02 – 1.15 g/mL |
| Solubility in water: | Soluble |
| Reactivity in water/air: | Not reactive |
| Incompatibility (materials to avoid): | None known |
| pH: | 7.0 – 9.5 |
| Flash point: | Non flammable |

SECTION 10: STABILITY AND REACTIVITY

This material is stable under normal conditions of use and non-reactive.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology of these solutions has not been performed as a whole. According to the GHS the solution is not classified as hazardous.

None of the ingredients are listed in the IARC list of carcinogens. SECTION

12: ECOLOGICAL INFORMATION

Ecotoxicity study of this preparation is not available; however all the ingredients in this product are readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local/regional regulation. Dispose of via sewerage only ensuring the concentrated formulation does not enter waterways.

SECTION 14: TRANSPORT INFORMATION

The product is not classified as dangerous goods.

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

GHS Hazard statements on ingredients:

- H360: May damage fertility or the unborn child
- H315: Causes skin irritation

- H318: Causes serious eye damage
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335: May cause respiratory irritation

“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 Ltd it is the user’s obligation to assure safe use of the product.”

Date of SDS revision: 23 Dec 2019

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