SAFETY DATA SHEET

CLEAN SOLUTIONS MACHINE RINSE AID

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Clean Solutions Machine Rinse Aid

Product number TWGCS013

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

Identified uses Dishwasher Rinse Aid, Dishwashing Aid, Final Rinse Additive.

Uses advised against Not intended for hand dishwashing. Not for oral consumption. Use only for the specified applications as outlined in the product Instructions.

1.3. Details of the supplier of the safety data sheet

Supplier

The Wholesale Group,
Cotswold Business Centre,
2 AP Ellis Road,
Upper Rissington,
Cheltenham GL54 2QB
Tel: +44 (0) 1422 319100

1.4. Emergency telephone number

National emergency telephone number In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Symbols Not Classified

Signal word Not Classified

Hazard statements Not Classified

Precautionary statements P102 Keep out of reach of children.
P15 Restricted to professional users only.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with local regulations

Contains < 5% non-ionic surfactants,Contains2-Bromo-2-nitropropane-1,3-diol

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Mixtures

DENATURED ETHANOL CAS number: 64-17-5 EC number: 200-578-6	**1-5%**
CITRIC ACID ANHYDROUS CAS Number: 77-92-9 EC Number: 201-069-1	**1-5%**

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Provide access to an eyewash station or other suitable eyewash facilities in case of exposure.

Inhalation Immediately move the affected person to fresh air. Rinse the nose and mouth with water. Seek medical attention if any discomfort persists.

Ingestion Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse the mouth thoroughly with water. Seek medical attention if any discomfort continues.

Skin contact Immediately rinse skin with plenty of water. Remove any contaminated clothing. Seek medical attention if irritation persists after washing.

Eye contact	Immediately rinse eyes with plenty of water. Remove contact lenses if present and open eyelids wide apart. Continue rinsing for at least 15 minutes. Seek immediate medical attention. Show this Safety Data Sheet to the medical personnel.

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

General Information	Ensure the availability of an eyewash station or other suitable eye irrigation facilities for emergency use.
Inhalation	Inhalation is unlikely to be hazardous due to the low vapour pressure of the product at ambient temperatures.
Ingestion	Unlikely exposure route unless the product is deliberately ingested. Symptoms may include nausea, possible irritation of the gastrointestinal tract, and a soapy taste.
Skin Contact	Prolonged skin contact may cause redness, irritation, or drying of the skin.
Eye Contact	May cause mild irritation to the eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	For personal protection see Section 8. Beware of slippery floors and surfaces in case of spills.

6.2. Environmental precautions

Environmental precautions Collect the spillage and dispose of it as outlined in Section 13 (Disposal Considerations). Do not discharge the material into drains, waterways, or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop the leak if it is safe to do so, without posing a risk to personnel. Absorb the spilled material using vermiculite, dry sand, or earth, and transfer it into appropriate containers. Flush the contaminated area with a generous amount of water to dilute any residue. Prevent the spill or runoff from entering drains, sewers, or waterways.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Ensure adequate ventilation in the area where the product is used. Avoid spilling the product and minimise contact with skin and eyes. Wear appropriate protective clothing, as specified in Section 8 (Exposure Controls / Personal Protection) of this Safety Data Sheet. Avoid inhaling vapours or spray mist. Do not mix with other household chemical products or with acid.

Advice on general occupational hygiene Implement good personal hygiene practices. Do not eat, drink, or smoke while handling the product. Wash hands and skin thoroughly after handling the product. Remove contaminated clothing and wash it before reuse. Use a moisturising hand lotion to prevent skin defatting or cracking.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 5°C and 25°C. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

BRONOPOL (INN) (CAS: 52-51-7)

DNEL

Workers - Inhalation; Long term systemic effects: 4.1 mg
Workers - Inhalation; Short term systemic effects: 12.3 mg/m
Workers - Inhalation; Long term local effects: 4.2 mg/m3
Workers - Inhalation; Short term local effects: 4.2 mg/m3
Workers - Dermal; Long term systemic effects: 2.3 mg/kg/day
Workers - Dermal; Short term systemic effects: 7 mg/kg/day
Workers - Dermal; Long term local effects: 0.013 mg/cm2
Workers - Dermal; Short term local effects: 0.013 mg/cm2
General population - Inhalation; Long term systemic effects: 1.2 mg/m3
General population - Inhalation; Short term systemic effects: 3.7 mg/m3
General population - Inhalation; Long term local effects: 1.3 mg/m3
General population - Inhalation; Short term local effects: 1.3 mg/m3
General population - Dermal; Long term systemic effects: 1.4 mg/kg/day
General population - Dermal; Short term systemic effects: 4.2 mg/kg/day
General population - Dermal; Long term local effects: 0.008 mg/cm2
General population - Dermal; Short term local effects: 0.008 mg/cm2
General population - Oral; Long term systemic effects: 0.35 mg/kg/day
General population - Oral; Short term systemic effects: 1.1 mg/kg/day

PNEL

- Fresh water; 0.01 mg/l
- marine water; 0.008 mg/l
- Intermittent release; 0.0025 mg/l
- STP; 0.43 mg/l
- Sediment (Freshwater); 0.041 mg/kg
- Sediment (Marinewater); 0.00328 mg/kg
- Soil; 0.5 mg/kg

8.2. Exposure controls

Protective Equipment

Appropriate engineering Controls

No specific requirements for ventilation.

Personal Protection

The information provided here is not a risk assessment or COSHH assessment. It is related to the product as supplied and should be used to help in developing a risk/COSHH assessment for specific workplace conditions.

Eye/face protection

Eye protection should be worn if a risk assessment identifies the possibility of eye contact. If the assessment does not require a higher level of protection, use tight-fitting safety glasses. Protective eyewear should comply with an approved standard and provide adequate protection for the eyes and face.

Hand protection	Chemical-resistant gloves should be worn if the risk assessment indicates that skin contact is possible. Recommended materials for gloves include: Polyvinyl chloride (PVC), Rubber (natural, latex), Neoprene, Nitrile rubber, Polyethylene. Gloves should be impervious to the chemical and resist degradation. A breakthrough time of >60 minutes is suggested. Inspect gloves regularly for damage and replace as needed.
Other skin and body Protection	Wear appropriate protective clothing to prevent prolonged or repeated skin contact with the product. Use a moisturising hand lotion to prevent skin defatting and cracking.
Hygiene measures	Implement good personal hygiene practices to reduce the risk of exposure. Wash hands and any other contaminated areas with soap and water before leaving the workplace. Use skin cream to prevent the drying of skin.
Respiratory protection	Respiratory protection is not required.
Environmental exposure controls	Avoid releasing into the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Odourless.
Odour threshold	Not applicable.
pH	pH (concentrated solution): > 3
Relative density	1.01 - 1.05
Solubility(ies)	Soluble in water.
Flash point	>60 ºC
Explosive under the influence of a flame	Not considered to be explosive.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information	Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No known hazards associated with the product. Under normal storage conditions product is stable.

10.2. Chemical stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not Applicable.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid No specific materials are likely to react in order to produce hazardous Situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Other health effects Does not contain any substances known to be carcinogenic.

Acute toxicity - oral
Notes (oral LD_{50}) Based on available data the classification criteria are not met

Acute toxicity - dermal
Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC_{50}) Based on available data the classification criteria are not met.

Skin corrosion/irritation
Skin corrosion/irritation Not classified. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Not classified. Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Not sensitising. Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Not classified. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated Exposure.

General information This product has low toxicity

Ingestion May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

Skin contact Skin irritation should not occur when used as recommended. Prolonged or repeated exposure may cause dryness, redness or Irritation. Mild dermatitis.

Eye contact May cause eye irritation or damage. Irritation of eyes and mucous membranes.

SECTION 12: Ecological Information

Ecotoxicity No ecotoxicity data. Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability No data on degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste generation should be minimised wherever possible.

Disposal methods Dispose of waste product or used containers in accordance with local Regulations. Normal use solutions are expected to be flushed to sewers. Reuse or recycle products wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.	Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). EH40/2005 Workplace exposure limits. The Hazardous Waste Regulations 2005. Control of Pollution (Special Waste) Regulations 1980 (as amended). The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended). The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended). The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 583) (as amended). The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EU legislation	European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended) Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006. System of specific information relating to Dangerous Preparations. 2001/58/EC.
Guidance	COSHH Essentials. ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets. Technical Guidance WM2: Hazardous Waste. Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No data available on this product.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

PBT: Persistent, Bioaccumulative and Toxic substance
vPvB: Very Persistent and Very Bioaccumulative.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

Date 05/12/2025

SDS Number 0512234

Risk phrases in full

Not classified.
R11 Highly flammable.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs .

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