

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Name: Dishwasher Rinse Aid
 Product Code(s): MIN239, MIN240
 UFI Code: 5JE0-90R7-9006-KE5H

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

Relevant identified uses: A finishing agent that enhances drying and prevents water spots on dishes in automatic dishwashers.
 Uses advised against: All other uses.

1.3 Details of the supplier of the Safety Data Sheet

Supplier (UK) The Friendly Chemical Co Limited
 Unit 12, Ryefield Way
 Silsden, Keighley
 West Yorkshire
 United Kingdom

Supplier (EU) Miniml Europe BV
 Randwyck, Robert Schumandomein 2
 Maastricht, 6229 ES
 Netherlands

Website www.minimlrefills.co.uk
 Phone Number + 44 (0) 1535 509 003 (9am-4pm Mon-Fri)
 Email hello@miniml.co.uk

1.4 Emergency telephone number

UK – Emergency Telephone + 44 (0) 1535 509 003 (9am-4pm Mon-Fri)
 Alternatively in UK: Contact NHS 111 Telephone 111 (24 hours a day, 7 days a week):
 Website 111.nhs.uk or a doctor

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This product is classified as non-hazardous according to Regulation (EC) No 1272/2008.

2.2 Label elements

This product does not require specific labelling according to Regulation (EC) No 1272/2008.

2.3 Other hazards

PBT/vPvB data

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting properties-Toxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties-Ecotoxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is not a mixture meeting the criteria for classification in accordance with Regulation (EC) No. 1272/2008.

Ingredients:

Name	EINECS	CAS No.	GHS classification	% (w/v)
Citric acid	680-681-4	77-92-9	Eye Irrit. 2, H319	5% – 15%
Sorbitan monolaurate, ethoxylated	500-018-3	9005-64-5	Not classified.	1% – 5%

The exact percentages (concentration) of composition have been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- Following inhalation:** If symptoms develop move to fresh air. If symptoms persist, obtain medical attention.
- Following skin contact:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.
- Following eye contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Following ingestion:** Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.

4.2 Most important symptoms and effects

- Symptoms:** The known symptoms and effects are described in section 2.2 of this SDS.
- Risks:** Untreated symptoms may result in additional health risks.

4.3 Indication of any immediate medical and special treatment

The physician may contact the national poison centre for advice.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable extinguishing media: No data available.

5.2 Specific hazards arising from mixture

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for fire fighters

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

5.4 Other information

No other information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 NOTES FOR NON-EMERGENCY PERSONNEL: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2 Environmental precautions:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Notes for those trained to participate in an emergency:

6.3 ACCIDENTAL RELEASE MEASURES: Provide adequate ventilation. Avoid excessive inhalation of vapors. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

Recommendations for personal protective equipment selection are noted above. Dispose in accordance with section 13 of this document.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials: See section 10.

7.3 Specific end uses

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Control parameters according to the local regulations should be taken into account.

8.2 Exposure controls

Engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective equipment:

Hand: Wear protective gloves

Body protection: Impervious clothing.

Eye: Depending on the use of this product splash or safety glasses may be worn in an industrial setting.

Respiratory: In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

Other measures: No statement available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	No data available
pH:	1 – 2
Melting point/range:	No data available
Boiling point/range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available

Vapor density:	No data available
Relative Density:	No data available
Solubility(ies):	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Do not mix with other chemicals.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

In case of fire: see section 5.2

No other data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:

Ingredient	CAS Number	LD ₅₀	Test Criteria	Comment
Citric Acid monohydrate	5949-29-1	> 3000 mg/kg (rat)	OECD 401	Not classified

Acute Toxicity (Inhalation):

Ingredient	CAS Number	LC ₅₀	Exposure Time	Test Criteria	Comment
Citric Acid monohydrate	5949-29-1	No data	No data	No data	Not classified

Acute Toxicity (Dermal)

Ingredient	CAS Number	LD ₅₀	Test Criteria	Comment
Citric Acid monohydrate	5949-29-1	2000 mg/kg (rat)	OECD 402	Not classified

Skin corrosion/irritation:

No ingredients identified as skin corrosive or irritating.

Serious eye damage/irritation:

Ingredient	CAS Number	Comment	Test Criteria
Citric Acid monohydrate	5949-29-1	Eye irritant	OECD 405

Respiratory or skin sensitization:

No ingredients identified as skin or respiratory sensitisers.

Germ cell mutagenicity / Carcinogenicity / Reproductive toxicity

No classified substances present.

STOT – single/repeated exposure:

No classified substances present.

Aspiration hazard:

Not applicable due to physical form and composition.

Likely route(s) of exposure:

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.

11.2 Information on other hazards
11.2.1 Endocrine disrupting properties

Based on the available information, this product is not known to contain any substances that have endocrine-disrupting properties as defined in Regulation (EU) 2017/2100 or (EU) 2018/605.

11.2.2 Other relevant information on adverse health effects

No other relevant adverse health effects are known for this product.

SECTION 12: ECOLOGICAL INFORMATION
12.1 Toxicity

No components are hazardous to aquatic environments.

12.2 Persistence and degradability

Ingredient	CAS Number	Test Criteria	Result / Comment
Citric Acid monohydrate	5949-29-1	OECD 301B	100% / Readily biodegradable

12.3 Bioaccumulative potential

No evidence of significant bioaccumulation for any components.

12.4 Mobility in soil

Most components are water-soluble and have high mobility.

12.5 Results of PBT and vPvB assessment

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine Disrupting Properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Additional ecological information

Product: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:

Dispose of the product in accordance with all applicable local, regional and national laws and regulations. European, International and Member State specific provisions must be considered. Taking into account the relevant (un)known environmental and human health hazards, take all necessary technical and procedural precautions to prevent occupational exposure and release into the environment.

Waste material:

Treat the disposal of any waste material in the same manner as that of the product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID/IDMG/IATA: Non-regulated

14.2 UN proper shipping name

ADR/RID/IDMG/IATA: Non-regulated

14.3 Transport hazard class(es)

ADR/RID/IDMG/IATA: Non-regulated

14.4 Packing group

ADR/RID/IDMG/IATA: Non-regulated

14.5 Environmental hazards

ADR/RID/IDMG/IATA: Non-regulated

14.6 Special precautions for user

No statements available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable, as product is not shipped in bulk.

SECTION 15: REGULATORY INFORMATION

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

No restrictions applicable, according to appendix XVII of REACH.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Further information

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality.

This SDS conforms with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends (EC) No 2015/830, 453/2010 & 1907/2006)" and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020"