

SAFETY DATA SHEET

Compilation date:

compiled according to Regulation (EC) No. 453/2010
20/04/15

Revision:

1*

1. Identification of the Substance/Preparation and of the Company/Undertaking

1.1. Product identifier

Product form: Mixture
Trade name : **Atlantis Machine Rinse Aid**
Product group : Trade product
Product code : **MLRA/5, MLRA/10, MLRA/20**

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

1.2.1. Relevant identified uses

Main use category : Professional use
Function or use category : Washing and cleaning products (including solvent based products).
A professional rinse aid for use in automatic dishwashing machines.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company Name: **Andway Healthcare Ltd.**
Atlantis House,
Manse Lane,
Knaresborough,
N. Yorkshire
HG5 8LF
Tel: +44 (0) 1423 331000
Email: sales@andwayhealthcare.org.uk

2. Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2: H315
Eye Irrit. 1: H319

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/38.

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms (CLP)



Signal word (CLP): Warning
Hazard Statements (CLP): H315: Causes skin irritation
H319: Causes serious eye irritation

Precautionary Statements (CLP): P102 - Keep out of reach of children
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 - IF SWALLOWED:
P313 - Get medical advice/attention.

P302+ P352 IF ON SKIN: Wash with plenty of water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 - Dispose of contents/container in accordance with local regulations.

The full texts for all R-, H- and EUH-phrases are displayed in Section 16 'Other Information'.

2.3 Other Hazards

Other hazards not contributing to the classification: No presence of PBT and vPvB ingredients.

3. Composition/information on ingredients:

Common Name	CAS No. / EC No.	Classification According to Directive 67/548/EEC	Conc (%)
Fatty Alcohol Ethoxylate	111905-53-4 601-137-4	Xi; R36/38.	1 - 5

Citric Acid	77-92-9 201-069-1	Xi; R36	1 - 5
-------------	----------------------	---------	-------

Isopropanol	67-63-0 200-661-7	F; R11 Xi; R36/38, R67.	1 - 5
-------------	----------------------	----------------------------	-------

Common Name	CAS No. / EC No.	Classification According to (EC) 1272/2008 (CLP)	Conc (%)
Fatty Alcohol Ethoxylate	111905-53-4 601-137-4	Skin Irrit. 2, H315 Eye Irrit. 2, H319	1 - 5
Citric Acid	77-92-9 201-069-1	Eye Irrit. 2, H319	1 - 5
Isopropanol	67-63-0 200-661-7	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	1 - 5

The full texts for all R-, H- and EUH-phrases are displayed in Section 16 'Other Information'.

4. First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. Discontinue use of product.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor.

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

Symptoms/injuries after inhalation : Coughing, sneezing.

Symptoms/injuries after skin contact : Redness. Swelling. dryness. Itching.

Symptoms/injuries after eye contact : Severe pain. Redness. Swelling. Blurred vision.

Symptoms/injuries after ingestion : Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhoea.

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

Refer to section 4.1.

5. Fire fighting measures

Extinguishing media: Product itself is not explosive or flammable. The product itself will not burn. If anything, packaging may be involved in a fire. Use CO₂, dry chemical powder, alcohol resistant foam or other media appropriate for materials actually involved in the fire. If water is used, contain run-off.

Special hazards: When heated sufficiently, product may decompose to form smoke and toxic fumes.

Special protective equipment: Fire fighters should wear approved self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

Personal precautions:

Avoid contact with skin and eyes. For appropriate personal protection see section 8.

Environmental precautions:

Although this product is suitable for down the drain disposal it is advised that as much of the liquid is contained before final dispersal of any residue with water.

Methods and material for containment and clean-up:

Prevent leakage into sewers or surface water by utilising bunding, absorbent booms, drain covers and soil or sand dikes. Contact appropriate environmental protection agencies, (Environment Agency in the UK) and local water authorities if significant contamination occurs.

For large spills: pump spillage into suitable plastic containers and rework/dispose as per local legislation. For small spills: use non-combustible absorbent and shovel into container for disposal.

7. Handling and storage

Precautions for safe handling:

Avoid contact with neat product on skin and eyes. Wear protective clothing as per section 8.

Storage precautions:

Store in closed original container in a cool and dry area.

8. Exposure controls / personal protection

8.1. Control parameters

8.1.1. National limit values: No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls: Not applicable.

8.2.2. Personal protective equipment

Hand protection: Not applicable.

Eye protection: Wear eye/face protection.

Skin and body protection: Not applicable.

Respiratory protection: Not applicable.

8.2.3. Environmental exposure controls: Not available

9. Physical and chemical properties

Appearance: Clear Blue Coloured Liquid

Odour: Mild

pH (10% aqueous solution) : ca. 5-7

Melting point: Not determined

Boiling point: 100°C

Flash point: Not combustible

Evaporation rate: Not determined

Flammability: Not combustible

Explosive properties: Non-Explosive

Oxidising properties: Non-Oxidising

Vapour pressure/density: Not determined

Relative density: ca. 0.9-1

Water solubility: high

Partition coefficient: Not determined

Auto ignition temperature: Not combustible

Decomposition temperature: Not determined

Viscosity: Not determined

10. Stability and reactivity

Stability:

Stable under normal conditions.

Conditions to avoid:

None

Materials to avoid:

Do not mix with other cleaning products unless advised to do so by a professional from the industry.

11. Toxicological information

Acute toxicity: Not toxic by ingestion, dermal contact or inhalation. May cause vomiting if very large quantities are ingested. Do not induce vomiting.

Irritation/corrosivity: Possibility of slight irritation to skin and eyes. If irritant effects are seen, these will be mild to moderate, depending on exposure. If in contact with eyes flushing with water is recommended.

Sensitisation: Does not provoke a sensitisation reaction.

Repeated dose toxicity: Repeated exposure to low levels (e.g. diluted in washing water) will not cause adverse effects.

Carcinogenicity/mutagenicity/teratogenicity: Based on available data the classification criteria are not met.

12. Ecological information

On the basis of raw materials and comparable substances contained in the product the following ecological evaluation is obtained.

Ecotoxicity: This product is intended for wide dispersive use, is not considered harmful to aquatic organisms and is compatible with the down-the-drain disposal route.

Acute fish toxicity LC50 > 10 - <= 100 mg product/l.

Acute bacterial toxicity EC50 > 100 mg product/l.

Persistence and degradability: This product has not been found to cause long-term adverse effects in the environment. The surfactants used in this product are biodegradable in line with the requirements of EU Detergent Regulation (EC) No 648/2004. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Bioaccumulative potential: The surfactant ingredients of this product are not expected to bioaccumulate.

Mobility in soil: Not determined.

13. Disposal considerations

Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation.

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC/648/2004 on detergents.

14. Transport information

UN No: None

Classification: Not classified as hazardous for transport.

UN proper shipping name: None

Transport hazard class: Not subject to ADR/IATA/IMDG/RID codes.

Packing group: None

Environmental hazards: None

Special precautions for user: None

15. Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

16. Other information

Usage and handling instructions are not mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 2.2.

The full text of the R-, H- and EUH-phrases indicated in this safety data sheet are as follows:

R11	Highly Flammable
R36	Irritating to eyes
R36/38	Irritating to skin and eyes.
R67	Vapours may cause drowsiness and dizziness.

H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness.

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.