



SAFETY DATA SHEET
MLRA/5 – MLRA/10 – MLRA/20 Machine Liquid Rinse Aid

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING
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1.1 Product Name	Machine Liquid Rinse Aid				
1.2 Other Names	Standard Auto Rinse Aid				
SDS No	C2/410	Rev Date:	18 th March 2015	Rev No:	1
1.3 Application	Catering cleaning				
1.4 Supplier	Andway Healthcare Ltd Atlantis House, Manse Lane Knaresborough HG5 8LF Sales@andwayhealthcare.org.uk				
1.5 Emergency Contact Number	01423 331000 (Hours of Operation – 07:00 to 17:00 Monday to Friday)				

SECTION 2. HAZARD IDENTIFICATION

Classification (1999/45/EEC)	
2.1 Classification	This product is not classified as dangerous according to EU Directive 1999/45/EC
2.2 Labelling	None
Risk Statements	None
Safety Statements	S2 – Keep out of reach of children S24/25 – Avoid contact with skin and eyes. S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 – After contact with skin, wash immediately with plenty of soap suds
2.3 Other Hazards	

Classification (EC1272/2008)	
2.1 Signal Word	None
2.1 Classification	Physical: Not classified Health: Not classified Environmental Not classified
Hazard Statements	None
Precautionary Statements	P102 Keep out of reach of children P280 Wear protective gloves, protective clothing, eye protection, face protection. P301 + 312 If Swallowed: Call a poison centre or doctor if you feel unwell. P305+351+338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing
2.2 Labelling	None
2.3 Other Hazards	None

- Hygiene & Catering
- Care Equipment
- Care Home Furniture
- Servicing & Repairs
- Nursing Consumables



SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture

Product	EC (EINECS No.)	CAS-No.	%
2-Hydroxy-1,2,3, Propane Tricarboxylic Acid	201-069-1	5949-29-1	<1
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified. Health: Eye Irrit. 2 – H319. Environmental: Not Classified.		Xi; R36	
Product	EC (EINECS No.)	CAS-No.	%
Propan-2-OL	200-661-7	67-63-0	<1
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Flam. Liq. 2 – H225 Health: Eye Irrit. 2 – H319, STOT SE 3 – H336. Environmental: Not Classified.		F; R11 Xi; R36, R67	

For the full text of the R-phrases mentioned in this section, see section 16.

For the full text of the H-statements mentioned in this section, see section 16.

SECTION 4. FIRST-AID MEASURES

4.1 Description of First Aid Measures

Inhalation	Move exposed person to fresh air. Get medical attention
Ingestion	Immediately rinse mouth and provide fresh air. Get medical advice if discomfort continues
Skin Contact	Remove contaminated clothing immediately and wash with soap and water. Get medical attention if irritation or discomfort continues
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses if safe and easy to do so, open eyes wide apart. Get medical attention immediately. Continue to rinse.

4.2 Most Important Symptoms and effects, both acute and delayed

General Information	Symptoms described are dependent upon the concentration and exposure time
Inhalation	Possible irritation of throat, nose & airway
Ingestion	Irritation to throat mouth and stomach
Skin Contact	Mild Irritation may occur
Eye Contact	Possible eye irritation

4.3 Indication of immediate medical attention and special treatment needed if necessary

	No recommendation given but if in any doubt seek medical advice / attention
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SECTION 5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media Use:

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog

5.2 Specific Hazard arising from the chemical

When heated in the case of fire, flammable vapours may be formed

5.3 Special protective actions for fire fighters

Self-contained breathing apparatus and full protective clothing must be worn

-  Hygiene & Catering
-  Care Equipment
-  Care Home Furniture
-  Servicing & Repairs
-  Nursing Consumables



SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

- a. The wearing of suitable protective equipment (including personal protective equipment, see section 8 of this SDS) to prevent any contamination of skin, eyes and personal clothing.
- b. Removal of ignition sources and provide sufficient ventilation.
- c. Follow precautions for safe handling described in section 7 of this SDS.

6.2 Environmental Precautions

Spillages of uncontrolled discharges into watercourses must be Immediately alerted to the Environmental Agency or other appropriate regulatory body, without endangering individuals every effort should be made to prevent entrance to drains.

6.3 Methods and material for containment and clean up

Drains should be Bunded or capped to prevent entrance or damage.
Ventilate well. Dilute with copious amounts of water. Collect with absorbent, non-combustible material into suitable containers. Flush area with plenty of water.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid Spilling, skin and eye contact. Keep away from heat
Do Not Smoke In Work Area! Wash at the end of each work shift and before eating, smoking and using the toilet.
Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

7.2 Conditions for safe Storage, including incompatibilities

Keep in original containers and lid tightly closed. Do not allow product to freeze, avoid extreme temperatures

7.3 Specific end use(s)

The identified use for this product is detailed in section 1.2.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
PROPAN-2-OL	WEL	400	999	500	1250	

WEL= Workplace Exposure Limit

8.2 Appropriate engineering controls

Provide adequate ventilation

8.3 Individual protection measures, such as personal protective equipment (PPE)

Respiratory Equipment	If ventilation is in sufficient, suitable respiratory protection must be provided.
Hand Protection	PVC or Rubber gloves are recommended.
Eye Protection	Wear approved safety goggles.
Other Protection	Suitable protection to prevent prolonged skin contact.

Protective Equipment



- Hygiene & Catering
- Care Equipment
- Care Home Furniture
- Servicing & Repairs
- Nursing Consumables



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES			
9.1 Information on basic physical and chemical properties			
This Product is a	Mixture		
Appearance	Liquid		
Colour	Blue		
Odour	Slight Alcohol		
Solubility	Soluble in water		
pH value	3-4	Boiling Point (°C)	100
Relative Density	1.0		
9.2 Other information			
SECTION 10. STABILITY AND REACTIVITY			
10.1 Reactivity			
None known			
10.2 Chemical stability			
Stable under normal conditions and use.			
10.3 Possibility of hazardous reactions			
None known			
10.4 Conditions to avoid			
Avoid excessive heat for prolonged periods of time. Do Not allow to freeze			
10.5 Incompatible materials			
Strong oxidising substances, strong alkalis			
10.6 Hazardous decomposition products			
Oxides of: Carbon			
SECTION 11. TOXICOLOGICAL INFORMATION			
11.1 Information on toxicological effects			
Toxicological information We have not carried out any animal testing; therefore we have no toxicological data specifically for this product. The toxicological data, where provided by the raw material manufacture, can be made available on request.			
SECTION 12. ECOLOGICAL INFORMATION			
12.1 Toxicity			
We have not carried out any Aquatic testing; therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity data, where provided by the raw material manufacturer for the ingredients with aquatic toxicity can be provided on request			
12.2 Persistence and degradability			
Degradability: the surfactants used in this preparation are designed for disposal via normal foul water disposal methods			
12.3 Bioaccumulative potential			
This preparation does not contain any substance that is expected to be bioaccumulating			
12.4 Mobility in soil			
The product is soluble in water			
12.5 Results of PBT and vPvB			
This preparation does not contain and PBT or vPvB substances			
12.6 Other adverse effects			
Not Known			

- Hygiene & Catering
- Care Equipment
- Care Home Furniture
- Servicing & Repairs
- Nursing Consumables



SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The preparation is designed for disposal via foul drain after use. Large volumes to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local waste disposal authority. Clean used container and recycle.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as hazardous for transport, as per IATA, ADR/RID & IMDG.

SECTION 15. REGULATORY INFORMATION

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

Guidance notes: Workplace Exposure Limits EH40

EU Legislation: Safety Data sheets prepared in accordance with REACH Commission Regulation (EU) No 453/2010 and CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under both CHIP – Directive 67/548/EEC and GHS / CLP – Regulation (EC) No 1272/2008 classification, ADR 2013

15.2 Chemical Safety Assessment

Not applicable this product is a mixture

SECTION 16. OTHER INFORMATION

REV. No. REPL. SDS	1/0
Generated	18 th March 2015
SDS No.	C2/410
SDS Status	Ok
Approved	18 th March 2015
Notes	This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate and reliable as of date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
Risk phrases in full	R11 – Highly flammable R36 – Irritating to eyes R67 – Vapours may cause drowsiness and dizziness
Hazard statements in full	H225 – Highly flammable liquid and vapours H319 – Causes serious eye irritation H336 – May cause drowsiness or dizziness
Supplementary P- Statements	None

END of SDS