

MATERIAL SAFETY DATA SHEET (16 Point MSDS)

HD 21 - AUTOMATIC DISH WASHING RINSE AID

Chemical Product And Company Identification

Product Name : **HD 21 - AUTOMATIC DISH WASHING RINSE AID**

Distributor : Hygiene Disposables
Address : 1 Bushbuck Close – Unit 2
Corporate Park – South
Midrand, 1685
Telephone : 011 - 314 0714
Fax : 086 532 7777 / 011-314 0713
Emergency : 082 579 5219 / 082 964 1515
(24 Hours)

Manufacturer : P.A Dippenaar Investments
t/a Chemical Techniques
Address : 12 Sophia Street
West Turffontein, Johannesburg
South Africa
Telephone : 011 – 680 2516
Fax : 011 – 680 2533
Emergency : 083 406 1374
Technical : 083 297 1617

Section 1. Product Identification

Product Name : Automatic Dish Washing Rinse Aid
Product Code : HD 21
Chemical / Technical Nature : Concentrated, automatic dish wash rinsing & drying agent.
Certification : SANS 1828 / 2016 (FOOD GRADE) – INTERTEK EUROPE
Auto Dish Rinse No.1 (FG)



Section 2. Composition & Information on Ingredients

Ingredients Contributing to Hazard	CAS No.	Content %	R - Symbol	S-Symbol
Iso Propyl Alcohol	67-63-0	>12	R11	S46
Benzyl-Polyethylene Glycol	60864-33-7	<10	R22	S46
Tert-Octylphenyl Ether	77-92-9	<10	R22	S46
Citric Acid				

For detailed risk and safety phrases see .15 of this MSDS. Please note data are typical of the product and not a specification or a full composition. The risk profile may change if this product is mixed with other compounds or as a blend within other components.

Revision of Hazardous Components based on SABS 0265:1999

Section 3. Hazards Identification

Primary Safety Hazard : Harmful if swallowed
Secondary Safety Hazard : Avoid prolonged contact with skin.
Additional Info : Avoid contact in eye, do not spray on or near naked / open flame.

Section 4. First Aid Information

Inhalation : Fresh air
Skin contact : Remove contaminated clothing, rinse with water, & or wash with soap. Apply cream to dry skin if required.
Eye contact : Rinse with water, keep eye lids open. If discomfort does not subside within 30 minutes seek further medical attention if required.
Ingestion : Do not induce vomiting, keep person calm & seek medical attention if required.

GENERAL NOTES TO THE PHYSICIAN AND / OR MEDICAL OFFICER :

Never give anything by mouth or induce vomiting to an unconscious person. Treatment of exposure should be directed at the control of the symptoms and the clinical condition of the patient. Depending on the risk profile of the product and the patient the symptoms may re-occur and/or change over time. In that event have the patient consult a physician again.

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Section 5. Fire Fighting Measures

Extinguishing Media	:	Use extinguishing Media (Eg: CO2 / Water / Dry Powder)
Special Hazards	:	May cause floating fire hazard, volatile in large undiluted amounts. Fast evaporating fluid causing non-visible flammable vapor.

Section 6. Accidental Release Measures

Environmental Precautions	:	Do not allow to enter natural waterways
METHOD FOR CLEANING UP	:	Dry Sand. Discharge in accordance with local regulations.
Small Liquid Spills (< 1 Drum)	:	Transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose
Large Liquid Spills (> 1 Drum)	:	Transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material; and dispose of safely. Remove contaminated soil and dispose of safely.

Section 7. Handling And Storage

Handling Precautions	:	Normal Handling.
Storage	:	Cool storage, well ventilated, avoid high temperature and direct sunlight. Keep away from naked flame. Do not mix with acids.

Section 8. Exposure Controls / Personal Protection

Engineering Control Measures	:	No specific or special measures required.
PERSONAL PROTECTION Eyes	:	Face shield or goggles



Section 9. Stability And Reactivity

Stability	:	Stable under normal cool conditions.
Hazardous Decomposition Products	:	None known

Section 10. Physical And Chemical Properties

Appearance	:	Non Viscous Liquid
Colour	:	Blue
Odour / Smell	:	Alcohol
Other Characteristics	:	Not Applicable
pH as Supplied	:	2.5 - 3
pH @ 1% v/water	:	4
Boiling Point Range / Degrees C	:	<100°C
Melting Point Range / Degrees C	:	Not Applicable
Viscosity at 20°C / mPa-s	:	1.8 (LVT Spingle 1 Speed 30)
Flash Point / Degrees C	:	<100°C
Auto Ignition Temp / Degrees C	:	Not Applicable
Explosion Limits in Air %	:	Not Tested
Vapour Pressure at 20°C	:	Not Tested
Specific Gravity - (SG)	:	0.90 - 0.95
Soluble in Water	:	Yes
Soluble in Other	:	Not Applicable
Other Data / Comments	:	No

These data references are typical for the product and not a specification

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Section 11. Toxicological Information / Health Effects

Inhalation	:	May cause some short term discomfort / dizziness to sensitive respiratory systems.
Skin contact	:	May cause some redness to sensitive skin
Eye contact	:	Will cause irritation to eyes
Ingestion	:	Discomfort and pain. Potential of vomiting and diarrhea.
Specific effects	:	None known or reported. In case of ingestion, monitor patient for any additional symptoms

Section 12. Ecological Information

Biodegradability	:	Contains readily biodegradable properties. This product can be successfully bio-remediated.
BioAccumulation	:	Not Likely
Eco Toxicity	:	Not Tested. May cause damage if discharged in large undiluted volumes.

Section 13. Disposal Considerations

In accordance with Local Regulations. In the event that disposal of material is conducted by a third party please ensure that the service provider is authorized and reputable. Please contact the manufacturer for additional information if required.

Material Disposal	:	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
Container Disposal	:	Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Refer to Section 7 before handling the product or containers. Residues may cause an explosion hazard if heated above the flash point. Do not puncture, cut or weld unclean drums. Send to drum recoverer or metal reclaimer.
Local Legislation	:	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

Section 14. Transport Information : Road and Rail Only

ADR / RID (Road / Rail)

UN Number	:	Not Applicable
Class	:	9
Item	:	Not Applicable
Additional Information	:	Caution, flammable liquid, fast evaporation rate.

Section 15. Regulatory Information / EEC Classification

Warning Phrase	Caution	Symbol
Risk Phases	Harmful if Swallowed	R22
	Can cause irritation to eye.....	R36
Safety Phases	Keep Out of Children Reach	S2
	Keep container closed.....	S7
	When using do not eat or drink.....	S20
	Avoid contact with eyes.....	S25
	In case of contact wash eye with water.....	S26
	If swallowed seek medical advise.....	S46
Product Contains	:	Iso-propyl alcohol
Additional Information	:	Only trained personnel should handle this product.
Certification	:	SANS 1828 / 2016 (FOOD GRADE) – INTERTEK EUROPE Auto Dish Rinse No.1 (FG)

Section 16. Other Information

Personnel using this product must be trained and advised on the best, safest and most effective means of application.

Prepared by: RP Dippenaar

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The information contained herein is based on our best current technical knowledge of the product concerned and is given in good faith. The attention of end users is drawn to (amongst other things) the element of risk consequent to the use of the product for purposes other than that for which it was intended. In no way does the document remove the need for the user of this product to fully understand and apply statutory requirements. It is the user's sole responsibility to take due precautions relative to the use made of the product. All the information included herein is intended onto to assist the reader in fulfilling his or her statutory duty connected with the use of hazardous materials. This list of information must not be considered as exhaustive and does not exonerate the reader from taking other precautions described in documents other than those mentioned concerning the storage and use of the product for which he or she remains the sole person responsible.

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