

MATERIAL SAFETY DATA SHEET (16 Point MSDS)

HD 300 RSA - Alcohol Solution 70%

Chemical Product And Company Identification

Product Name		:	HD 300 RSA - Alcohol Solution 70%		
Distributor	:	Hygiene Disposables	Manufacturer	:	P.A Dippenaar Investments t/a Chemical Techniques
Address	:	1 Bushbuck Close – Unit 2 Corporate Park – South Midrand, 1685	Address	:	12 Sophia Street West Turffontein, Johannesburg South Africa
Telephone	:	011 - 314 0714	Telephone	:	011 – 680 2516
Fax	:	086 532 7777 / 011-314 0713	Fax	:	011 – 680 2533
Emergency	:	082 579 5219 / 082 964 1515 (24 Hours)	Emergency	:	083 406 1374
			Technical	:	083 297 1617

Section 1. Product Identification

Product Name	:	RSA - Alcohol Solution 70%
Product Code	:	HD 300
Chemical / Technical Nature	:	High quality alcohol based concentrated fragranced compound for frequent and continuous hand sanitizing applications – liquid solution. (METHANOL FREE) Manufactured in accordance with W.H.O guidelines / recommendations.
Certification	:	Certified compliance in accordance with EN 1276 / LOG 5.

Section 2. Composition & Information on Ingredients

Ingredients Contributing to Hazard	CAS No.	Content %	R – Symbol	Safety - Symbol
Iso Propyl Alcohol	67-63-0	70	R11	S46
**Total Alcohols by volume 70% - (W.H.O)				
Benzalkonium Chloride	63449-41-2	<1	R36	S26
Glycerol	56-81-5	<5	R36	S25
Fragrance	propriety	<1	R22	S46

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	:	Flammable liquid.
Secondary Safety Hazard	:	Harmful if swallowed.
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.

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	:	Dry powder or foam agent.
Specific hazards	:	May cause floating fire hazard, volatile in large undiluted amounts. Fast evaporating fluid causing non-visible flammable vapor.

Section 6. Accidental Release Measures

Clean up method	:	Dry sand. Discharge in accordance with local regulations.
Environmental precaution	:	Do not discharge large volume into sewers.

Section 7. Handling And Storage

Handling	:	Normal handling.
Storage	:	Cool storage, well ventilated, avoid high temperature. Keep container sealed and marked at all times. Keep away from naked flame.

Section 8. Exposure Controls / Personal Protection

Engineering measures	:	No specific requirements.
Personal protective equipment	:	Eye protection.

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
Color	:	Blue
Odor / Smell	:	Alcohol with sweet floral tone
Other characteristics	:	N/a
PH as supplied	:	Neutral range
PH @ 1% v/water	:	N/a
Boiling Point rage / Degrees C	:	82 – 85
Melting Point Range / Degrees C	:	-88
Viscosity @ 20 Degrees / mPa-s	:	Not tested
Flashpoint / Degrees C	:	< 50
Auto Ignition Temp / Degrees C	:	Not tested
Explosion limits in air %	:	Not tested
Vapor pressure @ 20 Degrees C	:	Not tested
Specific Gravity - (SG)	:	0.85 – 0.90
Soluble in water	:	Yes
Soluble in other	:	Alcohols
Other data / comments	:	Caution , flammable liquid , do not leave container open

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

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.
Ecotoxicity	:	Not tested, may cause damage if discharged in large undiluted volumes.
Bioaccumulation	:	Not likely.

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	:	3
Item	:	Not Applicable
Additional Information	:	Caution, flammable liquid, fast evaporation rate.

Section 15. Regulatory Information / EEC Classification

Warning Phrase	Caution	Symbol
Risk Phases	Highly flammable Harmful if swallowed Can cause irritation to eye	R11 R22 R36
Safety Phases	Keep out of children reach Keep container closed When using do not eat or drink Avoid contact with eyes In case of contact wash eye with water If swallowed seek medical advise	S2 S7 S20 S25 S26 S46

Product Contains : Iso-Propyl Alcohol

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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