



M&L LABS

Certificate/Report

RESULTS REPORTED RELATED ONLY TO ITEMS TESTED

Ref. No : 11117774
Issued at : Johannesburg
Date : 23/07/2020
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COMPANY NAME : MIDWAY CASH AND CARRY PTY LTD
ADDRESS : 55 CHRIS HANI ROAD
SUBJECT : QUANTITATIVE SUSPENSION TEST FOR THE EVALUATION
OF BACTERICIDAL ACTIVITY OF CHEMICAL DISINFECTANTS
SANS 5261:2009 (SANS 490:2013)
MARKED : DERMA DROP GEL HAND SANITIZER
APPEARANCE : COLOURLESS GEL
INSTRUCTED BY : NAINESH
LAB NO. : 391044
RECEIVED ON : 30/06/2020
DATE ANALYSED : 01/07/2020

Results:

Bacterial Culture	Initial test suspension	Turbidity of sample after 48 hours	Pass/Fail
<i>P. aeruginosa</i> ATCC 15442	1.4x10 ⁷	NEGATIVE	PASS
<i>S. aureus</i> ATCC 6538	1.9x10 ⁷	NEGATIVE	PASS
<i>E. coli</i> ATCC 8739	1.3x10 ⁷	NEGATIVE	PASS
Test method and validation : SANS 5261:2009 (SANS 490:2013)			
Dilution: Neat			
Contact Time : 60 seconds			
Incubation Temperature: 37°C			
Test Temperature : 20°C			

There was no visible growth after the initial incubation period of 48 hours. Visible growth was observed after re-inoculation proving that the test sample killed the bacteria in the original test organism suspension.

Conclusion:

The product **complied** with the pass requirements of SANS 490:2013 as stipulated in SANS 5261:2009.

TECHNICAL SIGNATORY
T. NAGAZA

Authorised Signature (original blue ink)

TEST REPORT

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CERTIFICATE OF ANALYSIS No.: AS20-243

For: **MIDWAY CASH & CARRY**

RESULTS "ALCOHOL" CONTENT of HAND SANITIZER GEL

1. Preamble

- 1.1 At present, alcohol-based hand sanitizers are the only known means for rapidly and effectively inactivating a wide array of potentially harmful microorganisms on hands.
- 1.2 The best effective means of determining the type and amount of alcohol used in the formulation is by Gas Chromatography.
- 1.3 The tests performed by AIRSEP follow the **WHO Specifications** and determine the alcohol content by means of a Gas Chromatographic analysis using certified reference standards.
- 1.4 All our instruments used are under constant validation protocol and comply with the ISO 17025 standard requirements.

2. Sample Information

PRODUCT	Hand Sanitizer Gel		
Batch No.	-	Batch Weight	-
Production Date	30/06/2020	Report Date	03/07/2020

3. Test Data

Test Item	WHO Specification	SANS 490 Hygienic Handrub	Result
Appearance	Homogeneous liquid	Homogeneous liquid	Homogeneous liquid
pH	-	-	6.45
Density	-	-	0.9117 g/cm ³
Glycerol (% v/v)	1.45	-	0.654 %
Hydrogen Peroxide	0.125%	-	0.056 %
Propylparaben			1.23 %
Triethanolamine			0.567 %
Alcohol as Ethanol (% v/v)	80 ±5 %	60 %	70.09 %
TOTAL ALCOHOL			70.09 %

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For: MIDWAY CASH & CARRY

4. Comment

- 4.1 The WHO consensus of opinion of a WHO expert group recommend that hand rub formulations complying with WHO Specifications can be used for both hygienic hand antiseptics and for pre-surgical hand preparation.
- 4.2 The microbial activity of the WHO recommended formulation was tested by WHO reference Laboratories according to EN standards (EN1500). Their activity was found to be equivalent to the reference substance (isopropanol 60%v/v) for hygienic hand antiseptics.

5. Conclusion

- 5.1 Product "Hand Santizer" **COMPLIES** as an alcoholic-based hygienic handrub.
- 5.2 No further bacterial testing required as the alcohol content complies with WHO Specifications – See Comment 4.2.
- 5.3 This complies with NRCS VC 9013 which embodies SANS 54885 and SANS 490.

Indemnity Clause

"No warranties or guarantees are given by Airsep SA cc, its employees, affiliates, consultants, sub-contractors or representative regarding the accuracy or correctness of the above tests and Airsep SA cc, its employees, affiliates, consultants, sub-contractors or representatives are therefore indemnified, in the absence of gross negligence or wilful misconduct, against any and all damages, losses, claims and demands, including legal fees and expenses of whatsoever nature in respect of any damages suffered, directly or indirectly, resulting from the above tests."

Dr RF van de Water
Responsible Laboratory Manager
Pr.Sci.Nat. (Practice number 114194)

This document has been produced electronically and is valid without a signature

Date: 03 July 2020



TEST REPORT

MIDWAY CASH & CARRY
55 CHRIS HANI ROAD

Report No.: 391044

Attn:

Job/Sample No : ML-2020-0500-001 **Batch/Barcode No :** GEL HAND SANITIZER
Description : SANITIZER **Date Received :** 01 Jul 2020
Sample Receipt Temperature : Acceptable Condition **Analysis Completed Date :** 14 Jul 2020

Food Date Reported:14/07/2020

Test	Method	Units	Results
Alcohol Content (Ethanol*) *	GC-FID	% (V/V)	70.0
pH	AOAC 18TH edn	-	6.79

Tests marked with an () indicate that those tests are not SANAS Accredited and are not included in the SANAS Schedule of Accreditation*

** <10 / <1 = Not detected / less than the lower detection limit of the test method, for the specified sample type / volume of sample tested*

Analysis Conducted by: Emp. ID#: 44135

Reported by

Hermina RAMELA

TECHNICAL SIGNATORY FOOD





55 Chris Hani Rd
Protea South,
JHB,
1840
010 446 1905

SAFETY DATA SHEET

WATERLESS HANDSANITIZER - GEL

Revision: 01/2020 | Date Issued: 01/2020

COMPANY DETAILS			
NAME:	Midway Cash & Carry (Pty) Ltd	EMERGENCY TEL:	27 82 776 1898
ADDRESS:	55 Chris Hani Rd, Protea South, JHB, 1820	TEL:	27 82 776 1898
MANUFACTURER:	Midway Cash & Carry (Pty) Ltd	ADDRESS:	55 Chris Hani Rd, Protea South, JHB, 1820
SECTION1-PRODUCT AND COMPANY IDENTIFICATION			
TRADE NAME:	Waterless Hand Sanitizer		
CHEMICAL FAMILY:	Alcohol blend		
CHEMICAL NAME:	Not Applicable (mixture)		
SYNONYMS:	Disinfectant hand and surface cleaner		
CHEMICAL ABSTRACT NO:	Mixture N/A		
HAZCHEM CODE:	3[Y]E		
UN NO:	1993 Flammable liquid		
SECTION2-HAZARDOUS IDENTIFICATION			
MAIN HAZARD:	May be harmful if swallowed	CHEMICAL HAZARD:	None known
FLAMMABILITY:	Yes	BIOLOGICAL HAZARD:	None known
REPRODUCTIVE HAZARD:	None known	MUTAGENIC:	No
CARCINOGENIC:	No	NEUROTOXIN:	No

Midway Cash & Carry (Pty) Ltd - Reg # 2014/260391/07

HEALTH HAZARDS (ACUTE AND CHRONIC):			
HEALTH EFFECTS (eye contact)	Can cause temporary irritation and blurred vision		
HEALTH EFFECTS (skin contact)	Not expected to be problematic		
HEALTH EFFECTS (ingestion)	Nausea with stomach aches		
HEALTH EFFECTS (inhalation)	Irritation to respiratory tract with dizziness, headaches and fatigue		
SECTION3-COMPOSITION			
HAZARDOUSCOMPONENTS:			
CHEMICAL NAME	CAS NO.	RECOMMENDED LIMITS	COMPOSITION RANGE
ETHYL ALCOHOL:	64-17-5	1000ppm (TWA)	<75%
GLYCEROL	56-81-5	0.05ppm (TLV)	<1.45%
HYDROGEN PEROXIDE	7722-84-1	No value established	<0.1%
PROPYLPARABEN	94-13-3	No value established	<1.25%
TRIETHANOLAMINE	102-71-6	No value established	<0.58%
EEC CLASSIFICATION: F XnXi		R Phrases: R10, R25/26/36/38/46	
SECTION4-FIRST AID MEASURES			
PRODUCT IN EYE:	Flush eye with water lifting upper and lower lids. Get medical attention.		
PRODUCT ON SKIN:	Flush with water and remove contaminated clothes. Seek medical advice.		
PRODUCT INGESTED:	Induce vomiting immediately. Give 2 glasses of water and seek medical attention.		
PRODUCT INHALED:	Remove to fresh air. Seek medical attention if breathing difficult.		
SECTION5-FIREFIGHTING MEASURES			
EXTINGUISHING MEDIA:	Water spray, dry chemical or alcohol foam.		
SPECIAL HAZARDS:	Above flash point, vapour-air mixtures are explosive.		
PROTECTIVE CLOTHING:	Full protective clothing with self-contained breathing apparatus.		

SECTION6--ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTIONS:	Wear personal protective equipment as specified in section 8.
ENVIRONMENTAL PRECAUTIONS:	Do not flush to sewer or soil.
SMALL SPILLS:	Cover with inert absorbent material. Dispose in chemical waste containers. Rinse spill areas with fresh water.
LARGE SPILLS:	Contain and recover. Collect with inert material such as soil or sand. Dispose of in chemical waste containers. Rinse spill areas with fresh water.
SECTION7--HANDLING AND STORAGE	
SUITABLE MATERIAL:	Keep in original containers
HANDLING / STORAGE PRECAUTIONS:	Keep away from ignition sources and heat.
SECTION8--EXPOSURE CONTROL/PERSONAL PROTECTION	
OCCUPATION EXPOSURE LIMITS:	Ethanol – 1000ppm TWA, Glyecrol – 0.05ppm (TLV) Hydrogen peroxide – no value established
ENGINEERING CONTROL MEASURES:	A system of local or general exhaust is recommended.
PERSONAL PROTECTION: (respiratory)	If limit exceeded, full face-piece respirator.
PERSONAL PROTECTION: (hand)	Impervious protective gloves.
PERSONAL PROTECTION: (eye)	Face shield if splashing probable.
PERSONAL PROTECTION: (skin)	Boots, apron, overalls, as necessary to prevent skin contact.
SECTION9--PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE:	Clear Gel
ODOUR:	Alcohol
pH (as is)	6.8 – 8.0
BOILING POINT:	Not known
MELTING POINT:	Not known
FLASH POINT:	16 - 23°C
FLAMMABILITY:	Yes

AUTO IGNITION:	No
EXPLOSIVE LIMITS:	Not known
OXIDIZING PROPERTIES:	Not applicable
VAPOUR PRESSURE:	Not known
DENSITY:	0,88
SOLUBILITY: (water)	Yes
SOLUBILITY: (solvent)	No
SOLUBILITY: (coefficient)	Not known
SECTION10 – STABILITY AND REACTIVITY	
CONDITIONS TO AVOID:	Light, heat and incompatibilities
INCOMPATIBLE MATERIALS:	Strong oxidizers, perchlorates, alkali metals, hydrogen peroxide.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide and dioxide
SECTION11 – TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY:	Oral rat LD50 > 5000mg/kg
SKIN AND EYE CONTACT:	Irritant
CHRONIC TOXICITY:	Not available
CARCINOGENIC:	Linked to liver cancer
MUTAGENIC:	Investigated
REPRODUCTIVE HAZARD:	Not known

SECTION12-ECOLOGICAL INFORMATION	
AQUATIC TOXICITY: (fish)	Toxic
AQUATIC TOXICITY: (daphnia)	Not known
AQUATIC TOXICITY: (algae)	Not known
BIODEGRADABLE:	Yes
BIO-ACCUMULATION:	No
MOBILITY:	Yes
GERMAN WGK:	Not known
SECTION13-DISPOSAL CONSIDERATIONS	
DISPOSAL CONSIDERATION:	Dilute and dispose at approved sites. Handle as hazardous waste.
DISPOSAL OF PACKING:	Do not rinse and recycle. Dispose of in approved land fill sites.
SECTION14-TRANSPORT INFORMATION	
ROAD/RAIL ADR/RID	
CLASS:	3 Flammable
PROPER SHIPPING NAME:	Flammable liquid, NOS
UN NUMBER:	1993
PACKAGING GROUP:	II
SEA (IMDG)	
CLASS:	3 Flammable
PROPER SHIPPING NAME:	Flammable liquid, NOS
UN NUMBER:	1993
PACKAGING GROUP:	II
AIR (IATA – DGR)	
CLASS:	3 Flammable
PROPER SHIPPING NAME:	Flammable liquid, NOS
UN NUMBER:	1993
PACKAGING GROUP:	II
TREM CARD NO:	Not available

SECTION15-REGULATORY INFORMATION

EEC HAZARD CLASSIFICATION:	F Xn Xi
NATIONAL LEGISLATION:	Not applicable.
R PHRASES:	R10, R25/26/36/38/46
S PHRASES:	S25/26, S37/39/46

SECTION16-OTHER INFORMATION

DISCLAIMER: The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health. The information contained herein has been compiled from sources considered by Hygiene Systems to be dependable and is accurate to the best of the company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Hygiene Systems assumes no responsibility for injury to the recipient or third persons, for any damage to any property resulting for misuse of the controlled product.