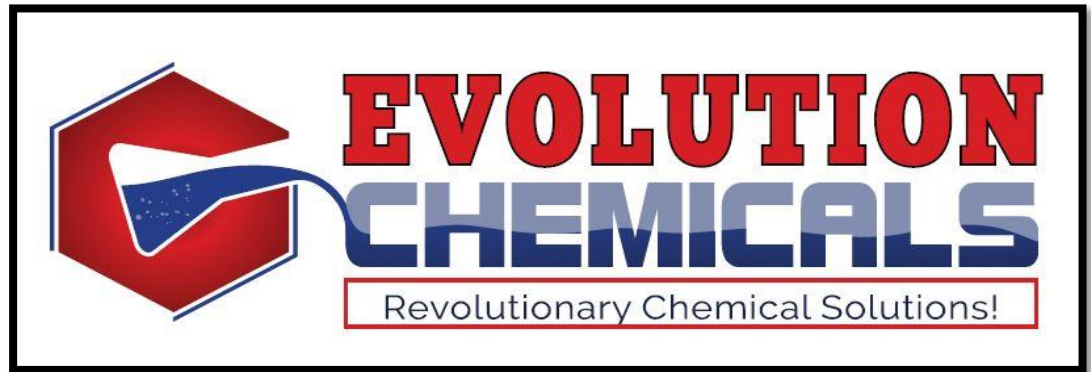


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**Chemical Product Manufacturer! Chemical Solutions Specialists!**

## **MATERIAL SAFETY DATA SHEET**

### **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:**

Evolution Chemicals

Email: [sales@evolutionchemicals.co.za](mailto:sales@evolutionchemicals.co.za)

PRODUCT NAME: HYPOSANITIZER / HYPOCHLORITE INSTANT HAND SANITIZER

SYNONYMS: NONE

MANUFACTURER CODE: HS17

USE: SANITIZER

UN NUMBER: NONE ALLOCATED

SHIPPING NAME: NONE ALLOCATED

DANGEROUS GOODS CLASS: NONE ALLOCATED

SUBSIDIARY RISK: NONE ALLOCATED

PACKING GROUP: NONE ALLOCATED

HAZCHEM CODE: NONE ALLOCATED

### **2. COMPOSITION / ADDITIONAL INFORMATION ON INGREDIENTS:**

SODIUM HYPOCHLORITE ACTIVE INGREDIENT 0.5%

ANTISEPTIC AND DISINFECTANT COMPOUND 0.5%

EMOLLIENTS 0.1%

ESSENTIAL OILS 0.04%

EXTRACTED FROM THE JOURNAL OF HOSPITAL INFECTION:

### INACTIVATION OF CORONAVIRUS BY DIFFERENT TYPES OF BIOCIDAL AGENTS IN CARRIER TESTS

Biocidal agent	Concentration	Virus	Strain / isolate	Volume / material	Organic load	Exposure time	Reduction of viral infectivity (log <sub>10</sub> )	Reference
Sodium hypochlorite	0.5%	HCoV	Strain 229E	20 µl / stainless steel	5% serum	1 min	> 3.0	[40]
	0.1%	HCoV	Strain 229E	20 µl / stainless steel	5% serum	1 min	> 3.0	[40]
	0.06%	TGEV	Unknown	50 µl / stainless steel	None	1 min	0.4	[39]
	0.06%	MHV	Unknown	50 µl / stainless steel	None	1 min	0.6	[39]
	0.01%	HCoV	Strain 229E	20 µl / stainless steel	5% serum	1 min	< 3.0	[40]

**TGEV = transmissible gastroenteritis virus; MHV = mouse hepatitis virus ;**

**HCoV = Human coronavirus**

### 3. HARZARD IDENTIFICATION:

HARZARD CATERGORY: NONE

ACUTE HEALTH EFFECTS

Swallowed: May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.

Eye: Will cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

Depending upon duration of exposure, eye damage may occur.

Skin: None

Inhaled: None

Chronic: None

### 4. FIRST AID MEASURES:

Swallowed: If swallowed, DO NOT induce vomiting. If victim is conscious give water. If sickness persists transport to hospital or doctor immediately.

Eye: If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eyelids are held open. If irritation persists transport to hospital or doctor.

Skin: None

Inhaled: None

Advice to Doctor: Treat symptomatically.

## **5. FIRE – FIGHTING MEASURES**

Fire/Explosion Hazard: None

Fire Fighting Procedures: Non-Flammable

Extinguishing Media: Not applicable

## **6. ACCIDENTAL RELEASE MEASURES**

Material may be slippery when spilt. Walk cautiously.

## **7. HANDLING AND STORAGE**

Store in a cool place and out of direct sunlight.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering Controls: Not applicable

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear liquid

Boiling Point Melting Point: 96 oC

Vapour Pressure: N/A

Specific Gravity: 0.99

Flash Point: Non flammable

Flammability Limits: Non flammable

Solubility in Water: Complete

Other Properties: pH 6-7

## **10. STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: None

CONDITIONS TO AVOID: None

## **11. TOXICOLOGICAL INFORMATION**

### **RISK PHRASES**

Irritating to eyes.

### **SAFETY PHRASES**

Keep locked up and out of reach of children.

Avoid contact with eyes.

In case of contact with eyes, rinse immediately with plenty of water and contact a doctor.

## **12. ECOLOGICAL INFORMATION**

N/A

## **13. DISPOSAL CONSIDERATIONS**

Not applicable

## **14. TRANSPORT INFORMATION**

UN Number: None allocated

Proper Shipping Name: None allocated

Dangerous Goods Class: None allocated

Subsidiary risk: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Not classified as a Dangerous Good

## **15.REGULATORY INFORMATION**

None Allocated

## **16. OTHER INFORMATION**

### **DISCLAIMER:**

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