

EVOLUTION CHEMICALS
PO BOX 11384
DORPSPRUIT
3206



EVOLUTION
CHEMICALS

Revolutionary Chemical Solutions!

REG: 2014/166781/07

VAT: 4850267248

Website: www.evolutionchemicals.co.za

Email: sales@evolutionchemicals.co.za

Contact: 0634077277

Chemical Product Manufacturer! Chemical Solutions Specialists!

ATOM CHEMICALS (PTY) LTD t/a EVOLUTION CHEMICALS manufacturers of chemical based products and a chemical solutions specialists.

SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Product Name:	Covicol X19 Hand Sanitizer
Use:	Hand Sanitizer
Details of the supplier:	Evolution Chemicals (Pty) Ltd
Emergency telephone:	10111

Section 2: Hazards Identification

Classification according to Regulation (EC) No. 1272/2008: Flam Liq 2, H225; Eye Irrit 2, H319
Classification according to Directive 67/548/EEC: F, R11; Xi, R36

Section 3: Precautionary statements

Prevention	Keep away from heat/sparks/open flames/hot surfaces – No smoking
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	Store in a well-ventilated place. Keep cool.
Supplemental information	None.
Other hazards	Vapours may form flammable or explosive mixtures with air.

Section 4: Composition and Information on Ingredient

Declarable components	Conc. (wt%)	EC No.	CAS No.	Reg. No	Classification	
Propan-2-ol	>70	200- 661-7	67-63- 0	NA	F (highly flammable), R11; Xi (irritant), R36; R67	Flam Liq 2, H225; Eye Irrit 2, H319; STOT SE 3, H336
Water	10 – 30		7732-18-5	NA		
Glycerine	0-10		56-81-5	NA		
Hydrogen Peroxide	0-5	231-765-0	7722-84-1	NA		
Fragrance	0-10		Proprietary	NA		
Other components	0-5		Proprietary	N/A		

Section 5: First aid measures

Inhalation	If inhalation of the product is suspected, remove exposed person to fresh air, and give rest. If the patient continues to feel unwell, get prompt medical attention.
Skin	For severe contamination, remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation or other symptoms occur. Launder contaminated clothing before reuse.
Eye	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	If swallowed, wash out mouth thoroughly and give water to drink. Get prompt medical attention if symptoms occur. Do not induce vomiting, unless instructed by medical personnel.

Section 6: Firefighting measures

Extinguishing media Suitable	Use dry chemical powder, alcohol-resistant foam, carbon dioxide, dry sand or water spray.
Unsuitable	Use of water spray may be inefficient when fighting fire.
Special hazards arising from the substance or	The product is classified as highly flammable,

mixture and will burn if involved in a fire, producing smoke, and toxic fumes and gases. Vapors may form flammable or explosive mixtures with air. Vapor may travel to source of ignition and flash back.

Advice for firefighters Remove containers from fire or cool them with water spray. Approved self-contained breathing apparatus and protective clothing must be used for all large fires.

Section 7: Handling and storage

Precautions for safe handling Avoid eye contact with the product, and inhalation of vapors. Remove sources of ignition.

Conditions for safe storage, including any incompatibilities Keep container tightly closed. Store in a cool, well-ventilated

Specific end use(s) Place away from direct sunlight. Not available.

Section 8: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Clear, Blue, Liquid
Odour	Alcohol-like
Odour threshold	Not available
pH	7.9
Melting/freezing point	No Data Available.
Initial boiling point/range	No Data Available.
Flash point	23 OC / 73 OF
Flamm. or expl. limits	No Data Available.
Vapor pressure	No Data Available.
Vapor density	No Data Available.
Specific Gravity	0.86
Water Solubility	Miscible with water

Section 9: Stability and reactivity

Reactivity	Not available
Chemical stability	Stable under recommended storage and handling conditions.
Possibility of hazardous reactions	Non under normal processing.
Conditions to Avoid	Avoid heat, flames, sparks and other sources of ignition.
Incompatible materials	Oxidizing agents.
Hazardous decomposition products	Not available

Section 10: Toxicological information

Information on toxicological effects:

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

Information on likely routes of exposure:

Inhalation	May cause irritation of respiratory tract
Eye Contact	Irritating to eyes. May cause redness, itching and pain.
Skin Contact	Prolong contact may cause redness and irritation.
Ingestion	Ingestion may cause irritation to mucus membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Chemical Name	LD50 Oral	Dermal LD50	Inhalation LC50
2-Propanol 67-63-0	5840 mg/kg (Rat)	13900 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h
Glycerine 58-81-5		10g/kg (Rabbit)	
Hydrogen peroxide 7722-84-1	1193 mg/kg (Rat)	>6500 mg/kg (Rabbit)	1,5 mg/L (ATE) 4 h

Information on toxicological effects:

Symptoms	Redness of the skin. May cause redness and tearing of the eyes. Itching. Rashes. Hives. Coughing and/or wheezing. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, light headedness, chest pain, muscle pain, or flushing.
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Section 11: Ecological information

Eco toxicity	Do not empty into drains.			
Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
2-Propanol	EC50: > 1000 mg/L, 72h (Desmodesmus subspicatus) EC50: > 1000 mg/L, 96h (Desmodesmus subspicatus)	LC50: > 1400000 µg/L, 96h (Lepomis macrochirus) LC50: = 9640 mg/L, 96h flow-through (Pimephales promelas) LC50: = 11130 mg/L, 96h static (Pimephales promelas)	35390 mg/L EC50Photobacterium phosphoreum 5 min	13299 mg/L EC50 = 48 h 9714 mg/L EC50 = 24 h

Section 12: Disposal considerations

Waste treatment

The recommended method of disposal is incineration. Small methods amounts may be suitable for dilution and disposal via the drains. Use a licensed waste disposal contractor. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste. General EU requirements are given in the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive

OTHER INFORMATION

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PRODUCTS OF EVOLUTION CHEMICALS:

EVOLUTION CHEMICALS (PTY) LTD.

CONTACT: 0634077277