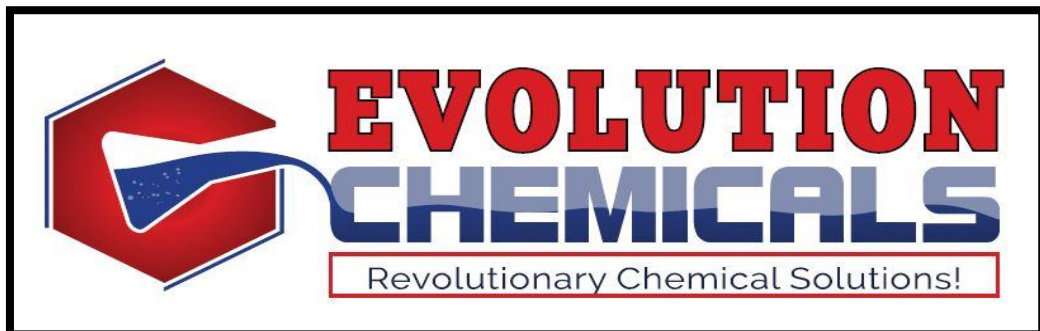


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**Chemical Product Manufacturer! Chemical Solutions Specialists!**

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

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Product Name: EVO FOG

Synonyms: None

Manufacturer Code: EVO-F12

Use: Sanitizing, Disinfecting and Eliminating of germs, bacteria, viruses and other harmful microorganisms through the use of FOG dispensation. Effective against the Covid-19 virus.

Un Number: None Allocated

Shipping Name: None Allocated

Dangerous Goods Class: None Dangerous Goods

Subsidiary Risk: None Allocated

Packing Group: None Allocated

Hazchem Code: None Allocated

Product Description:

**EVO FOG utilises a heating element inside the Fog Machine that triggers the release of a fine mist of powerful, sanitizing and disinfecting contents that disperse throughout the room, eliminating germs, bacteria, viruses, and harmful microorganisms on everything the fog touches. EVO FOG can be utilized on a variety of surfaces, including stainless steel, non-porous and unpainted surfaces, and is effective against viral strains, germs, bacteria and fungi; it is safe to be inhaled and to disinfect textiles. EVO FOG can be used in both domestic and industrial applications.**

## 2. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

### General Information

Appearance: Form: Oily

Colour: Colourless

Odour: Nearly odourless

Odour threshold: Not determined.

pH-value (- g/l) : neutral

### Change in condition

Melting point/freezing point: -68 °C

Initial boiling point and boiling range: 185 °C

Flash point: >100 °C

Flammability (solid, gas): Not applicable.

Ignition temperature: 371 °C

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: 2,6 Vol %

Upper: 12,6 Vol %

Vapour pressure at 20 °C: 0,11 hPa

Density at 20 °C: 1,0362 g/cm<sup>3</sup>

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with water: Fully miscible.

Partition coefficient: n-octanol/water: Not determined.

Viscosity: Dynamic at 25 °C: 46 mPas

Kinematic: Not determined.

## 3. COMPOSITION / ADDITIONAL INFORMATION ON INGREDIENTS:

Benzalkonium Chloride

Glutaraldehyde

Propylene Glycol

## 4. HARZARD(S) IDENTIFICATION:

**Hazardous Components: (Specific Chemical Identity; Common Name(s)):** No hazardous ingredients

**OSHA PEL ACGIH TLV, Other Limits, Recommended:** This material is not considered to be hazardous according to regulatory guidelines.

**HMIS Rating:** Health – 0, Flammability – 0, Reactivity – 0

**Routes of Exposure:** Eye contact, Skin Contact, Ingestion, Inhalation

**Health Hazards (*Acute and Chronic*):** None Know

**Signs and Symptoms of Exposure:** None Know

**Medical Conditions Generally Aggravated by Exposure:** None known

## 5. FIRST AID MEASURES:

**Eye:** None

**Skin:** None

**Inhaled:** None

**Advice To Doctor:** Treat Symptomatically.

**Ingestion:** H302 Harmful if swallowed. Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Seek medical attention.

## 6. FIRE – FIGHTING MEASURES

Fire/Explosion Hazard: Materials that will not burn

Fire Fighting Procedures: Non-Flammable

Extinguishing Media: Not applicable

## 7. ACCIDENTAL RELEASE MEASURES

Material may be slippery when spilt. Walk cautiously.

**Method for Clean Up:** Use a non-combustible material to soak up the product and place into well labelled container for later, disposal. For small spills, dilute with water and mop up

## 8. HANDLING AND STORAGE

Store in a cool place and away from direct sunlight.

## 9. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Not applicable

## 10. STABILITY AND REACTIVITY

Stability: Stable Under Normal Conditions Of Use.

Conditions For Safe Storage: Light Sensitive –Keep Away From Sunlight.

Hazardous Polymerization: Will Not Occur.

Incompatibilities: None.

Conditions To Avoid: None.

## 11. TOXICOLOGICAL INFORMATION

### RISK PHRASES

Non-toxic

### SAFETY PHRASES

Keep locked up and out of reach of children.

Liquid contact to eyes; avoid contact with eyes; In case of contact with eyes, rinse immediately with plenty of water and contact a doctor.

## 12. ECOLOGICAL INFORMATION

### Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bio-accumulative potential No further relevant information available. Mobility in soil No further relevant information available.

### Additional ecological information:

#### General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

### Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

## 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

Safety, health and environmental regulations/legislation specific for the substance or mixture

GHS label elements: The substance is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms: GHS07

**Signal word** Warning

Hazard statements

Harmful if swallowed.

**Precautionary statements**

Wash thoroughly after handling.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Rinse mouth.

## 16. OTHER INFORMATION

### **DISCLAIMER:**

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