

MATERIAL SAFETY DATA SHEET

Product: Hand Sanitizer Spray
Print Date: 24 March 2020
Page 1 of 5



Envirospec
Instant Hand Sanitizer

1. PRODUCT AND COMPANY IDENTIFICATION
(Page 1 may be used as an emergency safety data sheet)

COMPANY DETAILS

Name: **Envirospec (Pty) Ltd**
Reg no: **2014 / 066340 / 07**

Emergency telephone no.: +27 83 280 4616

Address: 63 Saal Street,
Zwavelpoort,
Pretoria,
0181

Office no: +27 12 996 3010
www.envirospec.co.za

PRODUCT DETAILS

Trade Name: **ENVIROSPEC – Hand Sanitizer**

Main use:	Alcohol based Sanitizing Spray	CAS No.:	64-17-5 >70%
		Proprietary	Balance
Chemical Family:	Denatured Ethanol Formulation	Hazchem Code:	H225 & H319
Chemical Name:	Alcohol hand Sanitizing spray	UN No.:	Not applicable

2. COMPOSITION

- Ethyl Hydroxide
- Aqua
- Sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
- Propane-1,2,3-triol
- Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt
- Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate
- 0-hydroxyol
- Parfum [(2R)-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl] acetate

Hazardous Components: < 70% Denatured Ethanol Flammable liquid

3. HAZARDS IDENTIFICATION

H 225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Prevention Precautionary Statements

- P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P243 Take precautionary measures against static discharge.



Response Precautionary Statements

- P101 If medical advice is needed, have product container or label at hand.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

**MATERIAL SAFETY DATA
SHEET**

Product: Hand Sanitizer Spray

Print Date: 24 March 2020

Page 2 of 5



Envirospec

Instant Hand Sanitizer

Storage Precautionary Statement

P403+P235 Store in a well-ventilated place. Keep cool.

Disposal Precautionary Statement Safety

P501 Dispose of contents/container in accordance with local, international regulations.

4. FIRST AID MEASURES

Inhalation: Remove victim from exposure. Remove contaminated clothing. Allow patient to assume most comfortable position. Seek medical advice if effects persist.

Skin Contact: If swelling, redness, blistering, or irritation occurs Rinse with copious amounts of water and seek medical assistance.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Never give anything by the mouth to an unconscious patient. Seek medical advice.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: •2YE

Suitable extinguishing media: If material is involved in a fire use water fog, alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder).

Protective clothing: Protective suits and gloves

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS If safe to do so, shut off all possible sources of ignition. Slippery when spilt, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal.

If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 14

MATERIAL SAFETY DATA SHEET

Product: Hand Sanitizer Spray

Print Date: 24 March 2020

Page 3 of 5



Envirospec

Instant Hand Sanitizer

7. HANDLING and STORAGE

Suitable material:	Plastic
Handling:	Wear protective gloves, goggles, overalls and apron (see Section 8) Observe good housekeeping practice. Keep workplace well ventilated.
Storage:	Store under cover at a temperature above freezing. Drums should be properly sealed. Bulk tanks should be regularly cleaned and sterilised. Open in ventilated surroundings as small levels of volatile compounds may accumulate in the head space of the containers.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure limits:	Ethyl Alcohol 1000ppm
Engineering control measures:	Short Term Exposure 15min
Personal protection – respiratory:	Breathing apparatus if ventilation is not adequate
Personal protection – eye:	Safety goggles recommended.
Personal protection – skin:	Safety gloves, waterproof overalls and boots recommended in cases of severe splashing.
Other protection:	Do not eat, drink or smoke when handling product.

9. PHYSICAL and CHEMICAL PROPERTIES

Physical State	Liquid
Appearance:	Transparent Pink
Odour:	Characteristic Alcohol with Perfume
pH:	6,5- 7,5 (as supplied)
Boiling point:	78°C
Flash point:	25°C
Vapour pressure:	59.3 mm Hg @ 20°C
Density:	0.82g/cm
Solubility – water:	fully miscible

10. STABILITY and REACTIVITY

Stability	Highly flammable liquid and vapour. May for flammable/explosive vapour-air mixture
Incompatible materials:	Strong Acids Strong Basis
Conditions to avoid:	Extremes of temperature open flame and Static
Hazardous decomposition products:	Carbon Monoxide. Carbon Dioxide
Hazardous reactions:	None Established

11. TOXICOLOGICAL INFORMATION

Acute toxicity :	Not classified
Skin corrosion/irritation :	Not classified pH: 7
Additional information :	Based on available data, the classification criteria are not met
Serious eye damage/irritation :	Not classified pH: 7
Additional information :	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Germ cell mutagenicity :	Not classified
are not met Carcinogenicity :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Reproductive toxicity :	Not classified
Additional information :	Based on available data, the classification criteria are not met
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified

12. ECOLOGICAL INFORMATION

Aquatic toxicity – fish:	low toxicity (<0,200 mg/litre)
Aquatic toxicity – daphnia:	Not Established
Aquatic toxicity – algae	None known
Biodegradability:	Not Established

13. DISPOSAL CONSIDERATIONS

Product/Packaging disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.
Additional information :	Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials :	Avoid release to the environment.
HP Code :	H3-A - 'Highly flammable'

14. TRANSPORT INFORMATION

Transport type : Class ADR/RID (Road/Rail) 3



15. REGULATORY INFORMATION:

Warning phrase	Caution	Symbol
R-phrase	Harmful if swallowed Can cause irritation to eye	R22 R36
S-phrase	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

16. OTHER INFORMATION:

The information provided in this Safety Data Sheet is based on the present state of our knowledge. This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Users are recommended to consult technical information sheets for advice on specific applications.

Further information may be obtained from:

www.envirospec.co.za

Telephone: +27 82 442 3403 (Dr. Francois Olivier)
Telephone: +27 83 280 4616 (Manufacturer)
