

REDLINE

BREATHALYSER

PRODUCT SAFETY DATA SHEET



1. PRODUCT, COMPANY and DISTRIBUTOR IDENTIFICATION

Product identity: Disposable 0.05% BAC Breath Testing Device

Product description: Glass tube approximately 7 cm long with a plastic snap-off closure at each end (a red cap and one clear/white cap). Inside the tube is a plug of yellow crystals bound at each side by metal sieves pressed into the tube. The yellow crystals are the reactive chemicals that indicate and measure the presence of alcohol in the breath. Between the reactive plug and each end the tube is filled with inert white silica gel that is designed for packaging protection. Each tester is supplied with a plastic measuring bag. This captures the breath of the person being tested, and measures the volume of breath that is blown through the tube.

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2. COMPOSITION / INFORMATION ON COMPONENTS

Plastic end caps: Linear low density polyethylene

Tube: Glass

White crystals: Synthetic amorphous silica gel (SiO₂)

Yellow crystals: Synthetic amorphous silica gel
Sulphuric acid (less than 0.1% by mass of product)
Potassium dichromate (less than 0.01% by mass of product).

Metal sieves: Stainless steel

Measuring bag: Polyethylene film.

3. HAZARD IDENTIFICATION

Main Hazards: Broken glass can cause cuts.
Yellow crystals contain small amounts of sulphuric acid which can cause acid burns if extensively exposed with moisture and in accidental contact with the body or clothing.

4. FIRST AID MEASURES

First aid – eyes: If yellow or white crystals are exposed to eyes – wash immediately with copious amounts of water and obtain medical attention.

First aid – skin: Immediately wash accidental spillage of yellow crystals from skin. Obtain medical attention if symptoms develop.

First aid – ingestion: If yellow crystals are accidentally ingested – wash out mouth with water and drink one or two glasses of water and obtain medical attention if necessary.

5. FIRE FIGHTING MEASURES

Extinguishing media: No special media are required. Any extinguishing media may be used.

6. HANDLING AND STORAGE

Handling: Product should be handled carefully to avoid crushing and breakage of glass tube, and accidental breakage of plastic end caps.
Testers should not be carried in pockets unless protected from accidental breakage.
Testers should be disposed of, after use (refer to disposal instructions).
Testers should be kept away from children.

Storage Store in cool (below 30°C) and away from direct sunlight.

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

No special measures are needed for the use of the product, but it should be handled carefully. If accidental spillage of the yellow crystals occurs, the small amount of acid in the mixture should be neutralised with water. If bodily contact occurs refer to **3. Hazard Identification** and **4. First Aid Measures** above.

8. DISPOSAL

After use or accidental breakage, testers should be disposed of carefully to avoid accidental spillage from the opened ends of the tester, and exposure to children.

9. PHYSICAL AND CHEMICAL PROPERTIES

White silica gel granules: Harmless, odourless white crystals are hygroscopic and will absorb moisture.

Yellow crystals: These crystals react with alcohol in the breath and give the green colour change in the presence of alcohol.

It is normal for the tester to get warm when breath from the breath bag is expelled through the tester.

After use, the tester tube may get wet from absorption of moisture, and can leak this moisture unless disposed of carefully.

Acid bound into the crystals causes oxidation and burning if accidentally spilled.

Tube: Glass can break and cause cuts.

10. REGULATORY INFORMATION

The US Consumer Product Safety Commission has determined that: **“the Redline product does not indicate any potential hazard or toxicity that would require any specific labeling or packaging under Federal Hazardous Substances Act or the Federal Poison Prevention Packaging Act.”**

11. TRANSPORT INFORMATION

Authoritative tests conducted by the University of Cape Town have clearly indicated that the product should **not** be classified as ‘Hazardous’ in accordance with the terms of the International Air Travel (IATA) regulations.

12. OTHER INFORMATION

The information in this Product Safety Data Sheet is correct to the best of our knowledge at the date of publication. It is intended as a guide for safe handling, storage and use of the Redline Single-use / disposable breath alcohol test, but it is not a specification or guarantee of specific properties and no liability can be accepted for any loss, damage or injury resulting from its use.

E&OE Starlight Asset Pty Ltd. January 2020