

**SAFETY DATA SHEET FOR BREATH ALCOHOL DETECTOR**
**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING**

<b>Trade name</b>	Breath Alcohol Detector
<b>Product Description/Application</b>	For private/professional use in breath alcohol detection

**2. HAZARDS IDENTIFICATION**

If correctly use the product according to the instructions, no hazards to the user health. If the product is use incorrectly, the inner glass fragments may cause the user injury and the inner reaction crystals may have some potential hazards below to the human and the environment:

Be harmful in contacting with skin. Be toxic if swallowed and inhaled. May cause sensitization by inhalation and by skin contact. Be danger of serious damage to health by prolonged exposure through inhalation. Be toxic to aquatic organisms. May cause heritable genetic damage. Contact with combustible material may cause fire.

**3. COMPOSITION /INFORMATION ON INGREDIENTS**

The product is composed of ingredients below:

Ingredient name	Usage per test	Percent
Plastic	1.4-1.6g	70-80
Paper	0.1-0.2g	5-10
Glass	0.2-0.4g	10-20
Silica gel	0.1-0.2g	5-10
Nitric acid	0.01-0.03g	0.5-1.5
Sulfuric acid	0.02-0.03g	1-1.5
Potassium dichromate	<0.002g	<0.1

The information for these chemicals ingredients are listed below:

Ingredient Name	Silica gel	Nitric acid	Sulfuric acid	Potassium dichromate
CAS#	112926-00-8	7697-37-2	7664-93-9	7778-50-9
EC No.	231-545-4	231-714-2	231-639-5	231-906-6
Annex I Index No.	None	007-004-00-1	016-020-00-8	024-002-00-6
Formula	Not applicable	HNO3	H2SO4	K2Cr2O7

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Molecular Weight	Not applicable	63.01	98.08	294.19
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#### 4. FIRST-AID MEASURES

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**After Inhalation** If inhaled the inner crystals, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**After Skin Contact** If skin contact with the inner crystals, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If injured by glass fragments, stanch and call a physician immediately.

**After Eye Contact** In case of eye contact with the inner crystals, immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get medical attention immediately.

**Ingestion** If swallowed the inner glass tube or the inner reaction crystals, wash out mouth with water provided person is conscious. Do not induce vomiting. Get medical attention immediately

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#### 5. FIRE FIGHTING MEASURES

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**Extinguishing media** Noncombustible

**Hazards in the extinguishing** Nitrogen oxides

**Especial extinguishing** Move out the combustible

**Safeguard for firemen** Use the mask supply oxygen

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#### 6. ACCIDENTAL RELEASE MEASURES FOR INNER CRYSTALS

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**Personal precaution** If large leaked or spilt, evacuate area and wear self-contained breathing apparatus, rubber boots and heavy rubber gloves; if several leaked or spilt, wear rubber gloves and keep caution.

**Environmental precautions** Reclaim quite

**Methods for cleaning up** Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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#### 7. HANDLING AND STORAGE

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**Handling** Use the product according to the instructions. Do not bend the tube and disassemble the product. Avoid the glass fragments and the inner crystals contact with skin, mouth, eyes and clothing. Properly dispose the product after use.

**Storage** Store in shady place. Do not place heavy things on the product or on the box in case of the inner glass is broken. Keep out of touch for children.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION OF INNER CRYSTALS

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**Exposure limits** Not applicable

**Engineering controls** Safety shower and eye bath

**General hygiene measures** Wash thoroughly after handling. Wash contaminated clothing and

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	shoes before reuse.
<b>Personal protection</b>	Hand protection: Wear heavy rubber gloves Eye protection: Chemical safety goggles Special protective measures: Rubber apron

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## 9. PHYSICAL-CHEMICAL PROPERTIES OF INNER CRYSTALS

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<b>Color</b>	Yellow to orange before use; Yellow through green to blue after use or invalid
<b>Odour</b>	No odour
<b>Boiling point(°C)</b>	Not applicable
<b>Melting Point(°C)</b>	Not applicable
<b>Flash point(°C)</b>	Not applicable
<b>Auto ignition temperature(°C)</b>	Not applicable
<b>Explode limit(g/ m3)</b>	Not applicable
<b>Minimum fire energy(MJ)</b>	Not applicable
<b>Maximal explode pressure(Pa)</b>	Not applicable
<b>Maximal rate of pressure rise(Pa/S)</b>	Not applicable
<b>Proportion</b>	Not applicable
<b>Solubility in water</b>	Partly soluble in water

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## 10. STABILITY AND REACTIVITY

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<b>Stability</b>	Stable
<b>Hazardous decomposition products</b>	Sulfates, Silicates, Nitrates, Nitrogen oxides, Chromic salts
<b>Hazardous polymerization</b>	Will not occur

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## 11. TOXICOLOGICAL INFORMATION OF INNER CRYSTALS

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<b>Irritant</b>	Little irritating to skin and eye
<b>LD50</b>	Not applicable

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## 12. ECOLOGICAL INFORMATION

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Avoiding the halobios and birds ingest, forbidden throw to the ocean and the water area

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## 13. DISPOSAL CONSIDERATIONS

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According to the local regulations.

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## 14. TRANSPORT INFORMATION

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This substance is ordinary goods and no other dangerous properties

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**15. REGULATORY INFORMATION**

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Not classified as hazardous according to EEC criteria.

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**16. OTHER INFORMATION**

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The information contained in this document is believed to be correct as of data shown.