



**Importers and dealers of**  
- Natural and Organic Oils  
- Essential Oils  
- Natural Powders  
- Clays, etc  
- Agro Products  
- General Contracts

## SAFETY DATA SHEET

version 3.0 Revision Date 04.03.2016

### Material Safety Data Sheet Phenylethyl Resorcinols

#### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

##### 1.1 Product identifiers

**INCI Name** : Phenylethyl Resorcinol  
**Synonyms** : 1,3-Benzenediol, 4-(1-Phenylethyl)-  
**CAS-No.** : 85-27-8

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : Skin whitening

##### 1.3 Details of the supplier of the safety data sheet

**Company** : SOPHIX NATURAL AND AGRO PRODUCTS LTD  
5, Olayinka Owodunni Street, Off Sule Abore, Behind NNPC Filling  
Station, Ojodu Berger, Lagos  
**Tel** : +234 7061111838

##### 1.4 Emergency telephone number

**Emergency Phone #** : +234 7061111838

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**Section 2: Hazards Identification**

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, oral	Category 5
	Acute toxicity, dermal	Category 5
	Skin corrosion/irritation	Category 1B
	Serious eye damage/eye irritation	Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2



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**Label elements**



**Signal word**

Danger

**Hazard statement**

**H303 + H313**

Maybe harmful if swallowed or in contact with skin.

**H314**

Causes severe skin burns and eye damage

**H318**

Causes serious eye damage.

**H401**

Toxic to aquatic life.

**Precautionary statement**

**Prevention**

**P260**

Do not breathe dust.

**P264**

Wash thoroughly after handling.

**P273**

Avoid release to the environment.

**P280**

Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

**P301+P330+P331**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P303+ P361 +P353**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

**P304 + P340**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**P305 + P351 +P338**

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

**P310**

**P363**

Wash contaminated clothing before reuse.

**P391**

Collect spillage.

**Storage**

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**P405**

Store locked up.

**Disposal**

**P501**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

WARNING! May form combustible dust concentrations in air. Avoid breathing dust.

**Supplemental information**

None.



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### Section 3: Composition and Information on Ingredients



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#### 3.1 Substances

Synonyms 2-(1-phenylethyl) benzene-1,3-diol  
 1,3-Benzenediol, 4-(1-phenylethyl)-

Formula :  $C_{14}H_{14}O_2$

Molecular Weight : 214.26 g/mol

Component	Concentration
<b>Phenylethyl Resorcinol</b>	
CAS-No.	85-27-8
	100%

### Section 4: First Aid Measures

#### 4.1 Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen maybe necessary. Call a physician if symptoms develop or persist.

##### In case of skin contact

Takeoff immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.

##### In case of eye contact

Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eyelids.

##### If swallowed

Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

#### 4.2 Most important symptoms and effects, both acute and delayed

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themselves. Show this safety data sheet to the doctor in attendance.

### Section 5: Fire Fighting Measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.

##### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

#### 5.2 Special hazards arising from the substance or mixture

Fire may produce irritating, corrosive and/or toxic gases.

Explosion hazard: Avoid generating dust; fine dust dispersed in air insufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

#### 5.3 Advice for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

#### 5.4 Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep runoff water out of sewers and water sources. Dike for water control.

#### 5.4 Specific methods

Use water spray to cool unopened containers.

#### 5.5 General fire hazards

Static charges generated by emptying package in or near flammable vapor may cause flash fire.



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### Section 6: Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.

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**6.3 Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Sweep up and place in a clearly labeled container for chemical waste. Wash contaminated area with water.

Use only non-sparking tools. Avoid the generation of dusts during clean-up.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.

**6.4 Reference to other sections**

For disposal see section 13.

**Section 7: Handling and Storage**

**7.1 Precautions for safe handling**

Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges when there is a risk of dust explosion. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Assume that this material is capable of producing a dust explosion if ignited as a dust cloud.

Take precautionary measures against static discharges. Avoid breathing vapor.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

**7.3 Specific end uses**

no data available



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## Section 8: Exposure Controls/Personal Protection

### 8.1 Occupational exposure limits

No exposure limits noted for ingredient(s).

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

### 8.2 Exposure controls

#### Appropriate engineering controls

Use only appropriately classified electrical equipment and powered industrial trucks. Use explosion-proof ventilation equipment to stay below exposure limits. It is recommended that all dust control equipment



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such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

### **Personal protective equipment**

#### **Eye/face protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Body Protection**

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



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### Section 9: Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: powder\crystal Colour: almost white
b) Odour	Characteristic.
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	-58 °F (-50 °C)
f) Initial boiling point and boiling range	689 - 694.4 °F (365 - 368 °C)
g) Flashpoint	> 200.0 °F (> 93.3 °C) Closed Cup
h) Evaporation rate	no data available



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**10.6 Hazardous decomposition products**

No hazardous decomposition products if stored and handled as indicated.

**Section 11: Toxicological Information**

**Information on toxicological effects**

**Acute toxicity** Maybe harmful if swallowed. Maybe harmful in contact with skin.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
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4-(1-PHENYLETHYL)- 1,3- BENZENEDIOLE (CAS 85-27-8)

**Acute**

**Dermal**

**LD50** Rabbit > 2000 mg/kg

**Oral**

**LD50** Rat > 2000 mg/kg

**Skin corrosion/irritation** Causes severe skin burns and eye damage.  
Humans: No skin irritation @ 5 %

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** mouse: No sensitizing effect.

**Germ cell mutagenicity** Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**Carcinogenicity**

**OSHA specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity -single exposure** The substances or mixture is not classified as specific target organ toxicant, single exposure.



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**Specific target organ toxicity -repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration hazard**

Corrosive to the respiratory tract.

**Potential health effects**

**Inhalation**

Irritating to respiratory system.

**Ingestion**

Causes digestive tract burns. Maybe harmful if swallowed.

**Skin**

Causes severe skin burns. Maybe harmful in contact with skin.

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**Eyes** Causes serious eye damage.

**Signs and Symptoms of Exposure**

Burning pain and severe corrosive skin damage. Causes serious eye damage. Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Additional Information**

RTECS: Not available

**Section 12: Ecological Information**

Product	Species	Test Results
4-(1-PHENYLETHYL)- 1,3- BENZENEDIOLE (CAS 85-27-8)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 1.41 mg/l, 48 hours OECD Test Guideline 202
Fish	LC50	Fish 8.94 mg/l, 96 hours OECD Test Guideline 203
Other	EC50	Activated Sludge 33 mg/l, 3 hours OECD Test Guideline 201
<b>Persistence and degradability</b>	Not readily biodegradable. 1%/28 d, OECD 301D	
<b>Bioaccumulative potential</b>	No data available.	
<b>Mobility in soil</b>	No data available.	
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

**Section 13: Disposal Considerations**

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### 13.1 Waste treatment methods

#### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### **Contaminated packaging**

Dispose of as unused product.

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**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**



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Not regulated.

**US. California Proposition 65**

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

**Section 16: Other Information**

**HMIS® ratings** Health: 3

Flammability: 1

Physical hazard: 0

**Disclaimer**

*The information above is based on our present knowledge. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. Users should make their own investigations to determine the suitability of the information for their particular purposes.*



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