

## MATERIAL SAFETY DATA SHEET (MSDS)

**PUBLICATION DATE 02/08/2015**

### **SECTION 1 – CHEMICAL / PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT** : COCONUT SHISHA CHARCOAL  
**APPLICATION AREA** : CHARCOAL  
**COMPANY** : WS TROPICAL RESOURCES SDN BHD  
**ADDRESS** : SUITE 910, BLOCK B, PHILEO DAMANSARA 2, JALAN 16/11, 46350, PETALING JAYA, SELANGOR, MALAYSIA

### **SECTION 2 – HAZARD IDENTIFICATION**

<b>RISK INDICATOR</b>	
R22	Harmful is swallowed.
R 48/22	Causes serious health effect of prolonged exposure is swallowed.
R41	Causes serious damage to the eyes.
<b>SECURITY INDICATOR</b>	
S64	Rinse mouth with plenty of water.
S 1/2	Keep out of reach of children.
S28	In case of contact with skin, rinse immediately with plenty of water.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45	In case of incidence if you feel unwell, seek medical advice immediately.

### **SECTION 3 – COMPOSITION & INFORMATION ON INGREDIENTS**

<b>COMPOSITE MATERIAL</b>	<b>CAS NO</b>	<b>EC NO</b>	<b>W/W5 (g)</b>
CARBON	7440-44-0	231-153-3	55-75
HYDROGEN	133-744-0	215-605-7	1-5
SULPHUR	7704-34-9	231-722-6	0,01-0,07
OXYGEN	7782-44-7	231-956-9	0,5-1
NITROGEN	7727-37-9	231-783-9	0,5-1

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### SECTION 4 – PHYSICAL AND CHEMICAL PROPERTIES

**COLOR, ODOR AND APPEARANCE** : Black, Odorless, Colorless.  
**MELTING POINT** : N/A  
**PHYSICAL STATE** : Solid  
**BOILING POINT** : N/A  
**PH** : N/A  
**SOLUBILITY IN WATER** : Insoluble  
**VAPOR DENSITY** : N/A  
**AUTO-IGNITION TEMPERATURE** : 800 Degrees  
**MOISTURE ANALYSIS** : 5  
**ASH CONTENT** : 3  
**VOLATILES** : 7.1  
**FIXED CARBON** : 92  
**SULFUR / SULFUR** : NIL  
**CALORIES** : 7800 KCal/kg

PARAMETER	UNIT	AR (As received)	DB (Dried Basis)
TOTAL MOISTURE	%wt	5	NIL
ASH	%wt	3	3.1
VOLATILE MATTER	%wt	6.7	7.3
GROSS CALORIE VALUE	Kcal/kg	7335	7922
FIXED CARBON	%wt	91	93.4
TOTAL SULPHUR	%wt	NIL	NIL