

22235-1349



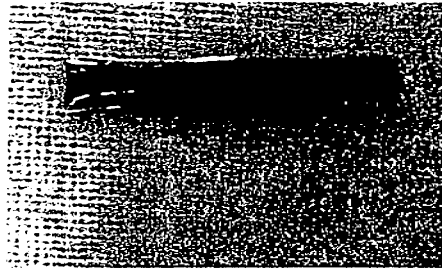
# TEST REPORT

LAB LOCATION: SHANG HAI  
REPORT NUMBER: CA-12-03903

ISSUE DATE: Jul 30, 2012  
PAGE: 1 of 2

Applicant : Royal Brush Manufacturing, Inc  
Contact Person : Mr .Michael Dovellos  
Sample Description : Vine Charcoal  
Country of Origin: /  
Country of Destination: USA  
Date of Submission : Jul 20, 2012  
Test Performance Dates : Jul 20, 2012- Jul 30, 2012

Photo of Submitted Sample



### TEST RESULT SUMMARY

Test Requested	Results
Material Safety Data Sheet (MSDS)	DATA (SEE APPENDIX 1)

For and on behalf of  
Modern Testing Services Co., Ltd.

*Eddie*

Zhang, Xiu Jie Eddie  
Deputy Regional Director,  
Analytical Division

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# TEST REPORT

**LAB LOCATION:** SHANG HAI  
**REPORT NUMBER:** CA-12-03903

**ISSUE DATE:** Jul 30, 2012  
**PAGE:** 2 of 2

## TEST RESULT

### Material Safety Data Sheet (MSDS)

Please refer to Appendix 1 for the report dated 27 July 2012 .

\*\*\*\*\*End of Test Report\*\*\*\*\*

### NOTE:

If there is question or concern regarding the above results, please contact us via email [aqian@mts-global.com](mailto:aqian@mts-global.com)

*The testing lab overall rating is provided to client as an aid in reviewing report data. The rating is based on lab results. Final product acceptance or rejection is per client only. Testing of vendor's merchandise by client is not a substitute for vendor's own testing and other quality assurance related obligations in connection with its sale of merchandise to client. Client testing shall not limit client's rights, or diminish or remove any of vendor's responsibilities.*

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# APPENDIX 1

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Item Numbers: 22235-1349



CA-12-03903

# MATERIAL SAFETY DATA SHEET



REACTIVITY	0
PERSONAL PROTECTION	E

## 1. Product and Company Identification

<b>Product:</b>	Vine Charcoal
<b>Version #:</b>	Version #1
<b>Date:</b>	July 27, 2012
<b>CAS #:</b>	69029-64-7
<b>Product Use:</b>	Stationery
<b>Manufacturer/Supplier:</b>	
<b>Company Name:</b>	Royal Brush Manufacturing, Inc.
<b>Company Address:</b>	515 West 45 <sup>th</sup> St. Munster, IN 46321
<b>Telephone Number:</b>	219-660-4170
<b>Contact Person:</b>	Michael C.Dovellus

## 2. Hazards Identification

<b>Physical State:</b>	Solid
<b>Emergency Overview:</b>	Not a dangerous substance or mixture according to Global Harmonized System (GHS)
<b>Potential Health Effects</b>	
<b>Routes Of Exposure:</b>	
<b>Eyes:</b>	Not likely due to physical form.
<b>Skin:</b>	Not likely due to physical form.
<b>Ingestion:</b>	N/A
<b>Target Organs:</b>	Not applicable.
<b>Chronic Effects:</b>	Not known.
<b>Signs and Symptoms:</b>	Not applicable.
<b>Potential Environmental Effects:</b>	Not known.

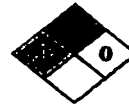
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**MATERIAL SAFETY DATA SHEET**



	0
REACTIVITY	1
PERSONAL PROTECTION	E

CA-12-03903

**3. Composition / Information on Ingredients:**

Detailed formulation is submitted by the client as follows:

<b>Chemical Name</b>	<b>CAS RN</b>
Charcoal, Activated	69029-64-7

**4. First Aid Measures**

First Aid Procedures	
<b>Eye Contact:</b>	In case of eye contact (which is very unlikely due to the nature of the product), immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if irritation develops or persists.
<b>Skin Contact:</b>	In case of skin contact with contents of product (which is very unlikely due to the nature of the product), remove contaminated clothing and wash skin with soap and water.
<b>Ingestion:</b>	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Notes to Physician:</b>	No particular instruction.
<b>General Advice:</b>	Follow general precautionary measures.

**5. Fire Fighting Measures**

Extinguishing Media	
<b>Suitable Extinguishing Media:</b>	Water. Foam. Dry powder. Carbon dioxide (CO2).
<b>Unsuitable Extinguishing Media:</b>	None.
Protection Of Firefighters	
<b>Specific hazards arising from the Chemical:</b>	No particular hazards.
<b>Protective equipment and Precautions for firefighters:</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Special protective equipment for Fire fighters :</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask
<b>Specific Methods</b>	No particular specific methods suggested.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.

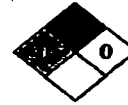
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## MATERIAL SAFETY DATA SHEET



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	1
REACTIVITY	0
PERSONAL PROTECTION	E

CA-12-03903

### 6. Accidental Release Measures

<b>Personal Precautions:</b>	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid inhalation of vapors and contact with skin and eyes. Wear suitable protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.
<b>Environmental Precautions:</b>	Do not allow to enter drains, sewer or water course.
<b>Methods For Cleaning Up:</b>	Clean up in accordance with all applicable regulations. Remove sources of ignition. Absorb spillage with non-combustible, absorbent material. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

### 7. Handling And Storage

<b>Storage:</b>	Store in a cool, dry place. Keep container closed when not in use.
<b>Handling:</b>	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes. Avoid ingestion and inhalation.
<b>Packaging Material:</b>	No information found.

### 8. Exposure Controls / Personal Protection

<b>Personal Protective Equipment:</b>	The usual precautionary measures for handling chemicals should be followed.
<b>Respiratory Protection:</b>	Wear self-inhalation filter-type dust respirator.
<b>Hand Protection:</b>	Wear appropriate protective gloves.
<b>Eye Protection:</b>	Wear chemical goggles.
<b>Hygiene Measures:</b>	Wash contaminated clothing before reuse.
<b>Environmental Exposure Controls:</b>	No information found.

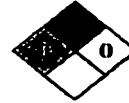
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**MATERIAL SAFETY DATA SHEET**



	0
REACTIVITY	1
PERSONAL PROTECTION	E

CA-12-03903

**9. Physical & Chemical Properties**

<b>Appearance:</b>	Solid
<b>Color:</b>	Black
<b>Odor:</b>	No odor
<b>pH:</b>	Not Applicable
<b>Boiling Point/Range:</b>	Not Applicable
<b>Melting Point/Range:</b>	Not Applicable
<b>Flash Point:</b>	Not Applicable
<b>Evaporation Rate:</b>	Not Applicable
<b>Vapor Density:</b>	Not Applicable
<b>Solubility In Other Solvents:</b>	Not Applicable
<b>Oxidizing Properties:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Applicable
<b>Relative Density:</b>	No Data Available
<b>Water Solubility:</b>	Not Applicable
<b>Viscosity:</b>	Not Applicable
<b>Partition Coefficient (n-octanol/water):</b>	Not Applicable
<b>Explosive Properties:</b>	Not Applicable

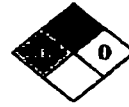
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CA-12-03903

**MATERIAL SAFETY DATA SHEET**

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REACTIVITY	3
PERSONAL PROTECTION	E

**10. Chemical Stability & Reactivity Information**

<b>Chemical Stability:</b>	Stable under normal temperature conditions.
<b>Conditions To Avoid:</b>	Not Applicable.
<b>Incompatible Materials:</b>	Not Applicable.
<b>Hazardous Decomposition Products:</b>	At thermal decomposition temperature, carbon monoxide and carbon dioxide.
<b>Possibility Of Hazardous Reactions:</b>	Hazardous chemical reaction does not occur.

**11. Toxicological Information**

In accordance with US 16 CFR 1500.3, this formulation contains no dangerous chemicals.

<b>Acute Toxicity:</b>	No information about product's acute toxicity available.
<b>Inhalation:</b>	No information available.
<b>Skin Contact:</b>	May cause skin irritation.
<b>Eye Contact:</b>	May cause eye irritation.
<b>Ingestion:</b>	Not Applicable.
<b>Chronic Toxicity:</b>	No information about product's chronic toxicity available.

**12. Ecological Information**

<b>Bioaccumulation:</b>	No information available.
<b>Ecotoxicity Effects:</b>	No information available.
<b>Mobility:</b>	No information available.

**13. Disposal Considerations**

<b>Disposal Instructions:</b>	Dispose of waste and residues in accordance with local authority requirements.
<b>Contaminated Packaging:</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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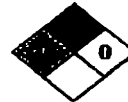
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**MATERIAL SAFETY DATA SHEET**



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REACTIVITY	0
PERSONAL PROTECTION	E

CA-12-03903

**14. Transport Information**

<b>DOT Classification:</b>	Not a DOT controlled material. ORM-D (United States)
<b>ADR/RID:</b>	Not dangerous goods.
<b>IMDG:</b>	Not dangerous goods.
<b>ICAO/IATA:</b>	Not dangerous goods.

**15. Regulatory Information**

<b>Labeling:</b>	No data available.	
<b>Symbol(s):</b>	No data available.	
<b>R-phrases(s):</b>	No data available for the product.	
<b>S-phrases(s):</b>	No data available for the product.	
<b>State Regulations:</b>	This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.	
<b>US – Massachusetts RTK – Substance:</b>	Listed Substance	
<b>US – New Jersey RTK – Substances:</b>	Listed Substance	
<b>US – Pennsylvania RTK – Hazardous Substances:</b>	Listed Substance	

<b>Federal And State Regulations:</b>	TSCA 8(b) inventory: Listed									
<b>Other Regulations:</b>	Not available									
<b>Other Classifications:</b>										
<b>WHMIS (Canada):</b>	Not listed									
<b>HMIS (U.S.A.):</b>										
<b>Health Hazard:</b>	0									
<b>Fire Hazard:</b>	1									
<b>Reactivity:</b>	0									
<b>Personal Protection:</b>	E									
<b>National Fire Protection Association (U.S.A.):</b>										
<b>Health Hazard:</b>	0	<table border="1"> <tr> <td></td> <td>0</td> </tr> <tr> <td></td> <td>1</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>E</td> </tr> </table>		0		1	REACTIVITY	0	PERSONAL PROTECTION	E
	0									
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REACTIVITY	0									
PERSONAL PROTECTION	E									
<b>Flammability:</b>	1									
<b>Reactivity:</b>	0									
<b>Specific Hazard:</b>										

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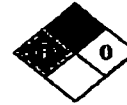
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CA-12-03903

## MATERIAL SAFETY DATA SHEET



	0
REACTIVITY	1
PERSONAL PROTECTION	0
	E

### 16. Other Information

The recommendations and information contained in this MSDS have been compiled from sources believed to represent the most current information available when the MSDS was prepared. However, the manufacturer / distributor of this product does not provide any warranty, guaranty of representation as to the correctness or sufficiency of this information. If this material is to be used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.

#### Abbreviations used in this MSDS

<b>CERCLA</b>	: Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	: Code of Federal Regulations
<b>IARC</b>	: International Agency for Research on Cancer
<b>NFPA</b>	: National Fire Protection Association
<b>NPCA/HMIS</b>	: National Paint and Coatings Association's Hazardous Materials Information System
<b>NTP</b>	: National Toxicology Program
<b>OSHA</b>	: Occupational Safety and Health Administration
<b>RCRA</b>	: Resource Conservation and Recovery Act
<b>SARA</b>	: Superfund Amendments and Reauthorization Act

**Disclaimer:** *This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.*

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## Test Report

**LAB LOCATION:** SHANG HAI  
**REPORT NUMBER:** CA-10-02911

**ISSUE DATE:** Aug 5, 2010  
**PAGE:** Page 1 of 1

**Applicant** : Royal Brush Manufacturing, Inc.  
 6707 Broadway, Merrillville, IN 46410 USA  
**Contact Person** : Michael Dovellos  
**Sample Description** : 12 colors pencil  
 1) Yellow  
 2) Dark Orange  
 3) Red  
 4) Pink  
 5) Purple  
 6) Blue  
 7) Light Sky Blue  
 8) Green  
 9) Light Green  
 10) Brown  
 11) Black  
 12) White

**Buyer** :  
**Vendor** :  
**Manufacturer** :  
**Country of Origin** : /  
**Country of Destination** : USA  
**Date of Submission** : Jul 30, 2010  
**Test Performance Dates** : Jul 30, 2010 – Aug 5, 2010

**Photo of Submitted Sample**



### EXECUTIVE SUMMARY

The contents and format of this Material Safety Data Sheet (MSDS) are in accordance with 29 CFR 1910.1200(g)

*For and on behalf of*  
**Modern Testing Services Co., Ltd.**

**Dr. Yue, Tao Richard**  
**Laboratory Director**

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# Material Safety Data Sheet

Read and Understand Material Safety Data Sheet Before Handling or Disposing of Product

## Section 1 - Identification of the product and of the company/undertaking

### Product details

**Commercial name:** Yellow, Dark Orange, Red, Pink, Purple, Blue, Light Sky Blue, Green, Light Green, Brown, Black, White

**Application of the substance:** 12 PC COLOR PENCIL

**Manufacturer/Supplier:** Royal Brush Manufacturing, Inc.  
6707 Broadway, Merrillville, IN 46410 USA  
Tel: 219-880-4170  
Fax: 219-880-4181

### Information in case of emergency:

**Contact:** Michael Dovellos  
Tel: 219-880-4170

## Section 2 - Composition/information on ingredients

### .Chemical characterization

**.Description:** This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

**.Mixture of substances listed below with additions.**

<b>Components/Chemicals name:</b>	<b>CAS No.</b>	<b>Range (%)by Wt.</b>
Carbon Black	1333-86-4	0-14.0
Saponite	1319-41-1	40.0
Titanium Dioxide	13463-67-7	2.0-14.0
Pigment red 57	5281-04-9	0-0.4
Pigment red 21	6410-26-0	0-8.0
Clay	1829-00-1	10.0
Carboxyl Methyl Cellulose	9004-32-4	8.0
Paraffin Wax	63231-60-7	8.0
Zinc Disterarate	557-05-1	20.0-28.0
Fastona Yellow G	2512-29-0	0-8.0
Basic violet1	8004-87-3	0-4.0
Pigment Pemanent Orange	3520-72-7	0-8.0
Pigment Green 7	1328-53-6	4.1-8.2

**.Remark:** "Ingredient Sheet" for the complete specific list of ingredients for color/shade. All colors contain the above ingredients.

### Section 3 - Hazards identification

**Information pertaining to particular dangers for man and environment:**

The product does not have to be labeled due to the calculation procedure of international guidelines.

**Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

**HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	1
REACTIVITY	0

Health = 0; Fire = 1; Reactivity = 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic Hazard

### Section 4 - First aid measures

• **General information:** No special measures required.

• **After swallow:** If swallowed, get medical aid.

• **Recommendations to physicians:** Not Applicable

### Section 5 - Fire-fighting measures

• **This product is a natural organic product and does not cause a significant hazard of burning. It should be treated as wood material**

• **Protective equipment:** No special measures required.

• **Hazardous Combustion Products:** Carbon dioxide, carbon monoxide.

• **Unusual Fire or Explosion Hazards:** Not Applicable.

• **Fire-Fighting Instructions/Equipment:** Keep personnel removed and upwind of any fire. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

### Section 6 - Accidental release measures

• **Personal Precautions:** Sweep up using dustpan and brush.

### Section 7 - Handling and storage

**Handling:**

• **Information for safe handling:** Keep away from sources of ignition. Wash thoroughly after handling.

• **Information about protection against explosions and fires:** No special measures required.

**Storage:**

• **Requirements to be met by storerooms and receptacles:** Keep away from direct sources of heat or ignition. Avoid extreme temperatures (Heat; Light; Moisture). Position containers so that any labeling information is visible.

• **Information about storage in one common storage facility:** Not required.

• **Further information about storage conditions:** None.

**Section 8 - Exposure controls/personal protection****.Engineering Controls:**

*No believed to be significant as supplied.*

**.General protective and hygienic measures:**

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing.*

*Wash hands before breaks and at the end of work*

**Section 9 - Physical and chemical properties**

<b>.General Information</b>	
<b>Form:</b>	Hexagonal
<b>Color:</b>	Color
<b>Odor:</b>	None
<b>.Change in condition</b>	
<b>Melting point/Melting range:</b>	Not available
<b>Boiling point/Boiling range:</b>	Not available
<b>.Flash point:</b>	Not applicable
<b>.Self-igniting:</b>	Product is not self-igniting
<b>.Danger of explosion:</b>	Not available
<b>.Density:</b>	Not available
<b>.Relative density:</b>	Not available
<b>.Vapor density:</b>	Not available
<b>.Evaporation rate</b>	Not available
<b>.Solubility in/Miscibility with</b>	
<b>Water:</b>	None soluble
<b>.PH-Value:</b>	Not available
<b>.Viscosity:</b>	
<b>Dynamic:</b>	Not available

**Section 10 - Stability and reactivity**

**.Dangerous reactions:** *No dangerous reactions known.*

**.Dangerous products of decomposition:** *No dangerous decomposition products known.*

**.Materials with which substance is incompatible:** *None known.*

**.Conditions to Avoid:** *Avoid exposure or contact to extreme temperatures, incompatible chemicals*

**Section 11 - Toxicological information****.General:**

*Based upon industry-wide experience over many years of manufacturing and published toxicological studies, the listed pigments in general are considered to have low levels of toxicity. There is no evidence of harmful effects from available information. There are no established permissible exposure limits for this product.*

**.Skin contact:** *No evidence of harmful effects from available information.*

**.Eye contact:** *No evidence of harmful effects from available information.*

**.Ingestion:** *Maybe harmful if swallowed. Contact Physician Immediately.*

- .Chronic (long-term toxicity): No known published data available and no adverse effects expected.*
- .Sensitization: Data not established for this product.*
- .Chronic Toxicity: Data not established for this product.*
- .Reproductive Toxicity: Data not established for this product.*
- .Mutagenicity: No mutagenic effects known or expected.*

### **Section 12 - Ecological information**

*This product has not been evaluated for its eco-toxicity. However, the biodegradation of Organic & Inorganic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since Organic & Inorganic pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.*

### **Section 13 - Disposal considerations**

*Dispose of in accordance with all applicable Federal, state and local regulations.*

### **Section 14 - Transport information**

*Not Classified as "Hazardous for Transport"*

*.DOT Classification for Bulk Shipments (non bulk shipments may differ): Not a DOT controlled product (United States).*

*.Hazard class number and description: Not applicable*

*.Packing Group: Not applicable*

*.UN Identification: Not applicable*

*.U.S. DOT: Not applicable*

*.North American Emergency response guidebook number, 2000: Not applicable*

*.Marine Pollutant: No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172. 101*

*.Transport Canada transportation of dangerous goods regulations: These products are not considered as dangerous goods, per regulations of transport Canada.*

*.Air transport ICAO-TI and IATA-DGR: Not applicable*

*.ICAO/IATA Class: Not applicable*

### **Section 15 - Regulatory information**

*.Section 355 (extremely hazardous substances):*

*None of the ingredients is listed.*

*.Section 313 (Specific toxic chemical listings):*

*None of the ingredients is listed.*

*.TSCA (Toxic Substances Control Act):*

*All ingredients are listed.*

*.Proposition 65*

*.Chemicals known to cause cancer:*

*None of the ingredients is listed.*

*.Chemicals known to cause reproductive toxicity for females:*

*None of the ingredients is listed.*

**.Chemicals known to cause reproductive toxicity for males:**

*None of the ingredients is listed.*

**.Chemicals known to cause developmental toxicity:**

*None of the ingredients is listed.*

**.Carcinogenicity categories****.EPA (Environmental Protection Agency)**

*None of the ingredients is listed.*

**.IARC (International Agency for Research on Cancer)**

*None of the ingredients is listed.*

**.NTP (National Toxicology Program)**

*None of the ingredients is listed.*

**.TLV (Threshold Limit Value established by ACGIH)**

*None of the ingredients is listed.*

**.NIOSH-Ca (National Institute for Occupational Safety and Health)**

*None of the ingredients is listed.*

**.OSHA-Ca (Occupational Safety & Health Administration)**

*None of the ingredients is listed.*

**Additionally:****Product related hazard information:**

*Observe the general safety regulations when handling chemicals.*

*The product is not subject to identification regulations according to directives on hazardous materials.*

**Section 16 - Other information**

***The contents and format of this MSDS are in accordance with 29 CFR 1910. 1200(g)***

**DISCLAIMER OF LIABILITY**

*The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may be applicable.*





**LAB LOCATION:**  
**REPORT NUMBER:**

**SHANG HAI**  
**CA-09-04490**

**ISSUE DATE:** Aug 11, 2009  
**PAGE:** Page 1 of 1

## Test Report

**Applicant** : Royal Brush Manufacturing, Inc.  
6707 Broadway, Merrillville, IN 46410 USA

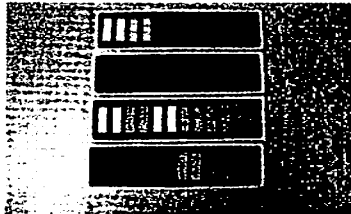
**Contact Person** : Michael Dovellos

**Sample Description** : 21 colors pastels  
1) Lemon Yellow  
2) Orange  
3) Crimson Red lake  
4) Pink  
5) Violet  
6) Dark Blue  
7) Sky Blue  
8) Grass Green  
9) Leaf Green  
10) Burnt Sienna  
11) Black

12) White  
13) Yellow Ochre  
14) Rose  
15) Purple Red  
16) Middle Blue  
17) Emerald Green  
18) Plumbic Gray (20% Graytone)  
19) Plumbic Gray (40% Graytone)  
20) Plumbic Gray (60% Graytone)  
21) Plumbic Gray (80% Graytone)

**Buyer** :  
**Vendor** :  
**Manufacturer** :  
**Country of Origin** : China  
**Country of Destination** : USA  
**Date of Submission** : Jul 31, 2009  
**Test Performance Dates** : Jul 31, 2009 – Aug 11, 2009

### Photo of Submitted Sample



### EXECUTIVE SUMMARY

The contents and format of this Material Safety Data Sheet (MSDS) are in accordance with 29 CFR 1910.1200(g)

For and on behalf of  
Modern Testing Services Co., Ltd.

Dr. Yue, Tao Richard  
Laboratory Director

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# Material Safety Data Sheet

Read and Understand Material Safety Data Sheet Before Handling or Disposing of Product

## Section 1 - Identification of the product and of the company/undertaking

### Product details

**Commercial name:** Lemon yellow, Orange, Crimson red lake, Pink, Violet, Dark blue, Sky blue, Grass green, Leaf green, Burnt sienna, Black, White, Yellow ochre, Rose, Purple red, Middle blue, Emerald green, Plumbic Gray (20%Graytone), Plumbic Gray (40%Graytone), Plumbic Gray (60%Graytone), Plumbic Gray (80%Graytone)

**Application of the substance:** 21 Colors Pastel

**Manufacturer/Supplier:** Royal Brush Manufacturing, Inc.

6707 Broadway, Merrillville, IN 46410 USA

Tel: 219-880-4170

Fax: 219-880-4181

### Information in case of emergency:

Contact: Michael Dovellos

Tel: 219-880-4170

## Section 2 - Composition/information on ingredients

### .Chemical characterization

**.Description:** This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

**.Mixture of substances listed below with additions.**

<b>.Components Number:</b>	<b>CAS No.</b>	<b>EINECS No.</b>
C.I. 11710	6486-23-3	229-355-1
C.I.11680	2512-29-0	219-730-8
C.I. 12085	2814-77-9	220-562-2
C.I.12310	6410-26-0	229-096-4
C.I.12335	6410-30-6	229-100-4
C.I. 45170:2	1326-03-0	215-413-3
C.I. 42535:2	1325-82-2	309-916-8
C.I.42595	1325-87-7	215-410-7
C.I. 74160	147-14-8	205-685-1
C.I. 74260	1238-53-6	215-524-7
C.I. 77491	1307-37-1	215-168-2
C.I. 77266	1333-86-4	215-609-9
C.I. 77492	51274-00-1	E 172
C.I. 12395	6735-47-3	229-441-9
C.I. 77891	13463-67-7	236-675-5
C.I. 74180	67340-41-4	266-653-0
C.I. 77499	12227-89-3	235-442-5

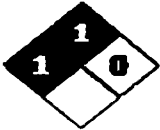
**.Remark:** "Ingredient Sheet" for the complete specific list of ingredients for color/shade. All colors contain the following ingredients.

### Section 3 - Hazards identification

#### Emergency Overview:

Vapors form from this product and may travel or can be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively. This material may produce a floating fire hazard.

**.NFPA ratings (scale 0 - 4)**



Health = 1; Fire = 1; Reactivity = 0

**.HMIS-ratings (scale 0 - 4)**

HEALTH	1
FIRE	1
REACTIVITY	0

Health = 1; Fire = 1; Reactivity = 0

### Section 4 - First aid measures

- General information:** No special measures required.
- After Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
- After Skin Contact:** If irritation occurs, flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
- After Inhalation:** Not Applicable
- Medical conditions aggravated by exposure:** No medical conditions are known to be aggravated by these products.
- Recommendations to physicians:** Not Applicable

### Section 5 - Fire-fighting measures

- Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment:** No special measures required.
- Hazardous Combustion Products:** Carbon dioxide, carbon monoxide.
- Unusual Fire or Explosion Hazards:** Not Applicable.
- Fire-Fighting Instructions/Equipment:** Keep personnel removed and upwind of any fire. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

### Section 6 - Accidental release measures

**Steps to be taken if material is released or spilled:** Clean up color pastel or color pastel mixed with solvents using rags or paper towels. Place in airtight container for disposal

### Section 7 - Handling and storage

**•Handling:**

**•Information for safe handling:** Provide adequate ventilation in storage area. Keep away from sources of ignition. Do not smoke. Keep away from heat, sparks, and flame. Keep container closed when not in use. Avoid contact with eyes and skin. Wash thoroughly after handling.

**•Information about protection against explosions and fires:** No special measures required.

**•Storage:**

**•Requirements to be met by storerooms and receptacles:** Keep away from direct sources of heat or ignition. Avoid extreme temperatures (Heat; Light; Moisture). Store away from food and beverages. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labeling information is visible.

**•Information about storage in one common storage facility:** Not required.

**•Further information about storage conditions:** None.

### Section 8 - Exposure controls/personal protection

**•Additional information about design of technical facilities:** No further data; see item 7.

**•Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**•Additional information:** The lists valid during the making were used as basis.

**•Personal protective equipment:**

**•Protective Gloves:**



Protective Gloves

Rubber or plastic acid-resistant gloves with elbow-length gauntlet.

**•Eye Protection:**



Tightly sealed goggles

**•General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

**•Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer, As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**•Penetration time of glove material**

*The exact break trough time has to be found out by manufacturer of the protective of gloves and has to be observed.*

### Section 9 - Physical and chemical properties

<b>.General Information</b>	
<b>Form:</b>	Solid
<b>Color:</b>	Color
<b>Odor:</b>	Mild
<b>.Change in condition</b>	
<b>Melting point/Melting range:</b>	Not available
<b>Boiling point/Boiling range:</b>	Not available
<b>.Flash point:</b>	Not applicable
<b>.Self-igniting:</b>	Product is not self-igniting
<b>.Danger of explosion:</b>	Not available
<b>.Density:</b>	Not available
<b>.Relative density:</b>	Not available
<b>.Vapor density:</b>	Not available
<b>.Evaporation rate</b>	Not available
<b>.Solubility in/Miscibility with</b>	
<b>Water:</b>	Mix
<b>.PH-Value:</b>	Not available
<b>.Viscosity:</b>	
<b>Dynamic:</b>	Not available

### Section 10 - Stability and reactivity

**.Thermal decomposition / conditions to be avoided:**

*No decomposition if used according to specifications.*

**.Dangerous reactions:** *No dangerous reactions known.*

**.Dangerous products of decomposition:** *No dangerous decomposition products known.*

**.Materials with which substance is incompatible:** *None known.*

**.Hazardous Polymerizations:** *Will not occur.*

**.Conditions to Avoid:** *Avoid exposure or contact to extreme temperatures, incompatible chemicals.*

### Section 11 - Toxicological information

**.General:**

*Based upon industry-wide experience over many years of manufacturing and published toxicological studies, the listed pigments in general are considered to have low levels of toxicity. There is no evidence of harmful effects from available information. There are no established permissible exposure limits for this product.*

**.Acute (short-term) Toxicity:**

**.Skin contact:** *May cause minor irritation with itching and possible slight local redness.*

*Prolonged or repeated contact may cause drying of the skin. No evidence of harmful effects from available information.*

**.Eye contact:** *Accidental Direct Eye Contact may cause abrasion and irritation. Corneal injury may occur.*

**.Inhalation:** *Not expected to be an inhalation hazard. However, high concentrations of vapor may cause irritation of the respiratory tract with coughing and chest discomfort. May also cause headache and drowsiness. Excessive levels of fumes may result in discomfort after repeated or prolonged exposures.*

**.Ingestion:** *Maybe harmful if swallowed. Contact Physician Immediately.*

*.Chronic (long-term toxicity): No known published data available and no adverse effects expected.*

*.Mutagenicity: Materials in sufficient quantity to be injurious to humans or to cause acute or chronic health problems Conforms to ASTM-D4236*

*.Additional toxicological information:*

*The product is not subject to classification according to internally approved calculation methods for*

*.Preparations:*

*When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

### **Section 12 - Ecological information**

*This product has not been evaluated for its ecotoxicity. However, the biodegradation of Organic & Inorganic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since Organic & Inorganic pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.*

### **Section 13 - Disposal considerations**

*Dispose of in accordance with all applicable regulation.*

*.Waste Disposal Methods:*

*Must not be disposed together with household garbage.*

*DO NOT dump into any sewers, on the ground, or into any body of water. Disposal of wastes and used containers must be in accordance with applicable federal, state and local regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.*

*.U.S. EPA waste number: Not applicable.*

*.Unlearned packaging:*

*.Recommendation: Disposal must be made according to official regulations.*

*.Recommended cleansing agent: Water, if necessary with cleansing agents.*

### **Section 14 - Transport information**

*Not Classified as "Hazardous for Transport"*

*.DOT Classification for Bulk Shipments (non bulk shipments may differ): Not a DOT controlled material (United States).*

*.Hazard class number and description: Not applicable*

*.Packing Group: Not applicable*

*.UN Identification: Not applicable*

*.U.S. DOT: Not applicable*

*.North American Emergency response guidebook number, 2000: Not applicable*

*.Marine Pollutant: No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172. 101*

*.Transport Canada transportation of dangerous goods regulations: These products are not considered as dangerous goods, per regulations of transport Canada.*

*.Air transport ICAO-TI and IATA-DGR: Not applicable*

*.ICAO/IATA Class: Not applicable*

### **Section 15 - Regulatory information**

**.Sara****.Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

**.Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

**.TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**.Proposition 65****.Chemicals known to cause cancer:**

None of the ingredients is listed.

**.Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**.Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**.Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**.Carcinogenicity categories****.EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**.IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

**.NTP (National Toxicology Program)**

None of the ingredients is listed.

**.TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

**.NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**.OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**Additionally:****Product related hazard information:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

**Section 16 - Other information**

**The contents and format of this MSDS/SDS are in accordance with 29 CFR 1910. 1200(g)**

**DISCLAIMER OF LIABILITY**

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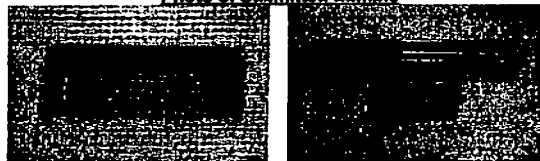
**Test Report**

**LAB LOCATION:** SHANG HAI  
**REPORT NUMBER:** CA-10-02905

**ISSUE DATE:** Aug 06, 2010  
**PAGE:** Page 1 of 1

**Applicant** : Royal Brush Manufacturing, Inc.  
 6707 Broadway, Merrillville, IN 46410 USA  
**Contact Person** : Michael Dovellos  
**Sample Description** : 3 PC Charcoal pencil  
 1) Soft  
 2) Medium  
 3) Hard  
**Buyer** :  
**Vendor** :  
**Manufacturer** :  
**Country of Origin** : China  
**Country of Destination** : USA  
**Date of Submission** : Jul 30, 2009  
**Test Performance Dates** : Jul 30, 2009 – Aug 06, 2010

Photo of Submitted Sample



**EXECUTIVE SUMMARY**

The contents and format of this Material Safety Data Sheet (MSDS) are in accordance with 29 CFR 1910.1200(g)

For and on behalf of  
 Modern Testing Services Co., Ltd.

Dr. Yue, Tao Richard  
 Laboratory Director

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upon from company and literature data.

**H.M.I.S.-ratings (scale 0 - 4)**

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0; Fire = 0; Reactivity = 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic Hazard

**Section 4 - First aid measures**

<b>Bolling point/Bolling range:</b>	Not available
<b>Flash point:</b>	Not applicable
<b>Self-ignition:</b>	Product is not self-igniting



***The contents and format of this MSDS are in accordance with 29 CFR 1910. 1200(g)***

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## Test Report

**LAB LOCATION:**  
**REPORT NUMBER:**

**SHANG HAI**  
**CA-10-02914**

**ISSUE DATE:** Aug 06, 2010  
**PAGE:** Page 1 of 1

**Applicant** : Royal Brush Manufacturing, Inc.  
6707 Broadway, Merrillville, IN 46410 USA

**Contact Person** : Michael Dovellos

**Sample Description** : 12 PC pastel pencil  
1) Yellow Ochre  
2) Orange  
3) Carmine  
4) Pink  
5) Purple  
6) Dark Blue  
7) Light Blue  
8) Dark Green  
9) Olive Green  
10) Dark Brown  
11) Black  
12) White

**Buyer** :  
**Vendor** :  
**Manufacturer** :  
**Country of Origin** : China  
**Country of Destination** : USA  
**Date of Submission** : Jul 30, 2010  
**Test Performance Dates** : Jul 30, 2010 – Aug 06, 2010

**Photo of Submitted Sample**



**EXECUTIVE SUMMARY**

The contents and format of this Material Safety Data Sheet (MSDS) are in accordance with 29 CFR 1910.1200(g)

*For and on behalf of*  
**Modern Testing Services Co., Ltd.**

**Dr. Yue, Tao Richard**  
**Laboratory Director**

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# Material Safety Data Sheet

Read and Understand Material Safety Data Sheet Before Handling or Disposing of Product

## Section 1 - Identification of the product and of the company/undertaking

### .Product details

**.Commercial name:** Yellow Ochre, Orange, Carmine, Pink, Purple, Dark Blue, Light Blue, Dark Green, Olive Green, Dark Brown, Black, White

**.Application of the substance:** 12PC PASTEL PENCIL

**.Manufacturer/Supplier:** Royal Brush Manufacturing, Inc.

6707 Broadway, Merrillville, IN 46410 USA

Tel: 219-880-4170

Fax: 219-880-4181

### .Information in case of emergency:

Tel: 219-880-4170

Contact: Michael Dovellos

## Section 2 - Composition/information on ingredients

### .Chemical characterization

**.Description:** This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

**.Mixture of substances listed below with additions.**

Components/Chemicals name:	CAS No.	Range (%)by Wt.
Carbon Black	1333-86-4	6.0-26.0
Kaolin	1332-58-7	38.0
Spaonite	1319-41-1	22.0
Titanium dioxide	13463-67-7	2.0-26.0
Iron Oxide	1332-37-2	5.0-25.0
Copper phthalcoyanine	147-14-8	0-6.0
Pigment red 57	5281-04-9	2.0-7.0
Clay	1829-00-1	0-9.0
Carboxyl Methyl Cellulose	9004-32-4	0-5.0
Fasstona Yellow G	2512-29-0	0-1.0
Basic violet 1	8004-87-3	0-1.0
Ferric oxide blue	25869-98-1	0-16.0
Ferric oxide green	1332-37-2	12.0-24.0
Pigment pemanent orange	3520-72-7	0-2.0

**.Remark:** "Ingredient Sheet" for the complete specific list of ingredients for color/shade. All colors contain the above ingredients.

**Section 3 - Hazards identification**

**Information pertaining to particular dangers for man and environment:**

*The product does not have to be labeled due to the calculation procedure of international guidelines.*

**Classification system:**

*The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.*

**HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	1
REACTIVITY	0

*Health = 0; Fire = 1; Reactivity = 0*

*Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic Hazard*

**Section 4 - First aid measures**

**General information:** *No special measures required.*

**After swallow:** *If swallowed, get medical aid.*

**Recommendations to physicians:** *Not Applicable*

**Section 5 - Fire-fighting measures**

**This product is a natural organic product and does not cause a significant hazard of burning. It should be treated as wood material**

**Protective equipment:** *No special measures required.*

**Hazardous Combustion Products:** *Carbon dioxide, carbon monoxide.*

**Unusual Fire or Explosion Hazards:** *Not Applicable.*

**Fire-Fighting Instructions/Equipment:** *Keep personnel removed and upwind of any fire. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).*

**Section 6 - Accidental release measures**

**Personal Precautions:** *Sweep up using dustpan and brush.*

**Section 7 - Handling and storage**

**Handling:**

**Information for safe handling:** *Keep away from sources of ignition. Wash thoroughly after handling.*

**Information about protection against explosions and fires:** *No special measures required.*

**Storage:**

**Requirements to be met by storerooms and receptacles:** *Keep away from direct sources of heat or ignition. Avoid extreme temperatures (Heat; Light; Moisture). Position containers so that any labeling information is visible.*

**Information about storage in one common storage facility:** *Not required.*

**Further information about storage conditions:** *None.*

**Section 8 - Exposure controls/personal protection**

**.Engineering Controls:**

*No believed to be significant as supplied.*

**.General protective and hygienic measures:**

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing.*

*Wash hands before breaks and at the end of work*

### Section 9 - Physical and chemical properties

<b>.General Information</b>	
<b>.Form:</b>	Hexagonal
<b>.Color:</b>	Color
<b>.Odor:</b>	None
<b>.Change in condition</b>	
<b>.Melting point/Melting range:</b>	Not available
<b>.Boiling point/Boiling range:</b>	Not available
<b>.Flash point:</b>	Not applicable
<b>.Self-igniting:</b>	Product is not self-igniting
<b>.Danger of explosion:</b>	Not available
<b>.Density:</b>	Not available
<b>.Relative density:</b>	Not available
<b>.Vapor density:</b>	Not available
<b>.Evaporation rate</b>	Not available
<b>.Solubility in/Miscibility with</b>	
<b>.Water:</b>	None soluble
<b>.PH-Value:</b>	Not available
<b>.Viscosity:</b>	
<b>.Dynamic:</b>	Not available

### Section 10 - Stability and reactivity

**.Dangerous reactions:** *No dangerous reactions known.*

**.Dangerous products of decomposition:** *No dangerous decomposition products known.*

**.Materials with which substance is incompatible:** *None known.*

**.Conditions to Avoid:** *Avoid exposure or contact to extreme temperatures, incompatible chemicals*

### Section 11 - Toxicological information

**.General:**

*Based upon industry-wide experience over many years of manufacturing and published toxicological studies, the listed pigments in general are considered to have low levels of toxicity. There is no evidence of harmful effects from available information. There are no established permissible exposure limits for this product.*

**.Skin contact:** *No evidence of harmful effects from available information.*

**.Eye contact:** *No evidence of harmful effects from available information.*

**.Ingestion:** *Maybe harmful if swallowed. Contact Physician Immediately.*

**.Chronic (long-term toxicity):** *No known published data available and no adverse effects expected.*

**.Sensitization:** *Data not established for this product.*

- .Chronic Toxicity: Data not established for this product.*
- .Reproductive Toxicity: Data not established for this product.*
- .Mutagenicity: No mutagenic effects known or expected.*

### **Section 12 - Ecological information**

*This product has not been evaluated for its ecotoxicity. However, the biodegradation of Organic & Inorganic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since Organic & Inorganic pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.*

### **Section 13 - Disposal considerations**

*Dispose of in accordance with all applicable Federal, state and local regulations.*

### **Section 14 - Transport information**

*Not Classified as "Hazardous for Transport"*

- .DOT Classification for Bulk Shipments (non bulk shipments may differ): Not a DOT controlled product (United States).*
- .Hazard class number and description: Not applicable*
- .Packing Group: Not applicable*
- .UN Identification: Not applicable*
- .U.S. DOT: Not applicable*
- .North American Emergency response guidebook number, 2000: Not applicable*
- .Marine Pollutant: No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172. 101*
- .Transport Canada transportation of dangerous goods regulations: These products are not considered as dangerous goods, per regulations of transport Canada.*
- .Air transport ICAO-TI and IATA-DGR: Not applicable*
- .ICAO/IATA Class: Not applicable*

### **Section 15 - Regulatory information**

- .Section 355 (extremely hazardous substances):  
None of the ingredients is listed.*
- .Section 313 (Specific toxic chemical listings):  
None of the ingredients is listed.*
- .TSCA (Toxic Substances Control Act):  
All ingredients are listed.*
- .Proposition 65*
- .Chemicals known to cause cancer:  
None of the ingredients is listed.*
- .Chemicals known to cause reproductive toxicity for females:  
None of the ingredients is listed.*
- .Chemicals known to cause reproductive toxicity for males:  
None of the ingredients is listed.*
- .Chemicals known to cause developmental toxicity:*

*None of the ingredients is listed.*

**.Carcinogenicity categories**

**.EPA (Environmental Protection Agency)**

*None of the ingredients is listed.*

**.IARC (International Agency for Research on Cancer)**

*None of the ingredients is listed.*

**.NTP (National Toxicology Program)**

*None of the ingredients is listed.*

**.TLV (Threshold Limit Value established by ACGIH)**

*None of the ingredients is listed.*

**.NIOSH-Ca (National Institute for Occupational Safety and Health)**

*None of the ingredients is listed.*

**.OSHA-Ca (Occupational Safety & Health Administration)**

*None of the ingredients is listed.*

**Additionally:**

**Product related hazard information:**

*Observe the general safety regulations when handling chemicals.*

*The product is not subject to identification regulations according to directives on hazardous materials.*

#### **Section 16 - Other information**

***The contents and format of this MSDS are in accordance with 29 CFR 1910. 1200(g)***

#### **DISCLAIMER OF LIABILITY**

*The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may be applicable.*



## Test Report

**LAB LOCATION:**  
**REPORT NUMBER:**

**SHANG HAI**  
**CA-10-02902**

**ISSUE DATE:** Aug 06, 2010  
**PAGE:** Page 1 of 1

**Applicant** : Royal Brush Manufacturing, Inc.  
6707 Broadway, Merrillville, IN 46410 USA

**Contact Person** : Michael Dovellos

**Sample Description** : 12 PC sketch pencil

- 1) 5H
- 2) 4H
- 3) 3H
- 4) 2H
- 5) H
- 6) HB
- 7) B
- 8) 2B
- 9) 3B
- 10) 4B
- 11) 5B
- 12) 6B

**Buyer** :  
**Vendor** :  
**Manufacturer** :  
**Country of Origin** : China  
**Country of Destination** : USA  
**Date of Submission** : Jul 30, 2009  
**Test Performance Dates** : Jul 30, 2009 – Aug 06, 2010

**Photo of Submitted Sample**



### EXECUTIVE SUMMARY

The contents and format of this Material Safety Data Sheet (MSDS) are in accordance with 29 CFR 1910.1200(g)

*For and on behalf of*  
**Modern Testing Services Co., Ltd.**

**Dr. Yue, Tao Richard**  
**Laboratory Director**

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional issue defined therein. The results shown in this test report refer only to the sample(s) listed unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.

**Modern Testing Services Co., Ltd.**

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USA • Germany • UK • China • Hong Kong • Taiwan • Singapore • India • Thailand • Korea • Indonesia • Australia • Turkey • Cambodia



# Material Safety Data Sheet

Read and Understand Material Safety Data Sheet Before Handling or Disposing of Product

## Section 1 - Identification of the product and of the company/undertaking

**.Product details**

**.Commercial name:** 5H, 4H, 3H, 2H, H, HB, B, 2B, 3B, 4B, 5B, 6B

**.Application of the substance:** 12PC SKETCH PENCIL

**.Manufacturer/Supplier:** Royal Brush Manufacturing, Inc.

6707 Broadway, Merrillville, IN 46410 USA

Tel: 219-880-4170

Fax: 219-880-4181

**.Information in case of emergency:**

Tel: 219-880-4170

Contact: Michael Dovellos

## Section 2 - Composition/information on ingredients

**.Chemical characterization**

**.Description:** This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

**.Mixture of substances listed below with additions**

Components/Chemicals name:	CAS No.	Range (%) by Wt.
Graphite	7782-42-5	62.0-90.0
Clay	1829-00-1	10.0-38.0

**.Remark:** "Ingredient Sheet" for the complete specific list of ingredients for color/shade. All colors contain the above ingredients.

## Section 3 - Hazards identification

**.Information pertaining to particular dangers for man and environment:**

The product does not have to be labeled due to the calculation procedure of international guidelines.

**.Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

**.HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	1
REACTIVITY	0

Health = 0; Fire = 1; Reactivity = 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic Hazard

**Section 4 - First aid measures**

- General information:** No special measures required.
- After swallow:** If swallowed, get medical aid.
- Recommendations to physicians:** Not Applicable

**Section 5 - Fire-fighting measures**

- This product does not cause a significant hazard of burning. It should be treated as wood material**
- Protective equipment:** No special measures required.
- Unusual Fire or Explosion Hazards:** Not Applicable.
- Hazardous Combustion Products:** Carbon dioxide, carbon monoxide.
- Fire-Fighting Instructions/Equipment:** Keep personnel removed and upwind of any fire. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

**Section 6 - Accidental release measures**

- Personal Precautions:** Sweep up using dustpan and brush.

**Section 7 - Handling and storage**

- Handling:**
- Information for safe handling:** Keep away from sources of ignition. Wash thoroughly after handling.
- Information about protection against explosions and fires:** No special measures required.
- Storage:**
- Requirements to be met by storerooms and receptacles:** Keep away from direct sources of heat or ignition. Avoid extreme temperatures (Heat; Light; Moisture). Position containers so that any labeling information is visible.
- Information about storage in one common storage facility:** Not required.
- Further information about storage conditions:** None.

**Section 8 - Exposure controls/personal protection**

- Engineering Controls:**  
No believed to be significant as supplied.
- General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work

**Section 9 - Physical and chemical properties****.General Information**

<b>Form:</b>	Hexagonal
<b>Color:</b>	Black
<b>Odor:</b>	None

<b>.Change in condition</b>	
<b>Melting point/Melting range:</b>	Not available
<b>Boiling point/Boiling range:</b>	Not available
<b>.Flash point:</b>	Not applicable
<b>.Self-igniting:</b>	Product is not self-igniting
<b>.Danger of explosion:</b>	
<b>.Density:</b>	Not available
<b>.Relative density:</b>	Not available
<b>.Vapor density:</b>	Not available
<b>.Evaporation rate</b>	Not available
<b>.Solubility in/Miscibility with</b>	
<b>Water:</b>	None soluble
<b>.PH-Value:</b>	Not available
<b>.Viscosity:</b>	
<b>Dynamic:</b>	Not available

### Section 10 - Stability and reactivity

- .Dangerous reactions:** No dangerous reactions known.
- .Dangerous products of decomposition:** No dangerous decomposition products known.
- .Materials with which substance is incompatible:** None known.
- .Conditions to Avoid:** Avoid exposure or contact to extreme temperatures, incompatible chemicals

### Section 11 - Toxicological information

- .General:**  
Based upon industry-wide experience over many years of manufacturing and published toxicological studies, the listed pigments in general are considered to have low levels of toxicity. There is no evidence of harmful effects from available information. There are no established permissible exposure limits for this product.
- .Skin contact:** No evidence of harmful effects from available information.
- .Eye contact:** No evidence of harmful effects from available information.
- .Ingestion:** Maybe harmful if swallowed. Contact Physician Immediately.
- .Chronic (long-term toxicity):** No known published data available and no adverse effects expected.
- .Sensitization:** Data not established for this product.
- .Chronic Toxicity:** Data not established for this product.
- .Reproductive Toxicity:** Data not established for this product.
- .Mutagenicity:** No mutagenic effects known or expected.

### Section 12 - Ecological information

This product has not been evaluated for its ecotoxicity.

### Section 13 - Disposal considerations

Dispose of in accordance with all applicable Federal, state and local regulations.

### Section 14 - Transport information

**Not Classified as "Hazardous for Transport"**

**.DOT Classification for Bulk Shipments (non bulk shipments may differ):** Not a DOT controlled product (United States).

**.Hazard class number and description:** Not applicable

**.Packing Group:** Not applicable

**.UN Identification:** Not applicable

**.U.S. DOT:** Not applicable

**.North American Emergency response guidebook number, 2000:** Not applicable

**.Marine Pollutant:** No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172. 101

**.Transport Canada transportation of dangerous goods regulations:** These products are not considered as dangerous goods, per regulations of transport Canada.

**.Air transport ICAO-TI and IATA-DGR:** Not applicable

**.ICAO/IATA Class:** Not applicable

**Section 15 - Regulatory information****.Section 355 (extremely hazardous substances):**

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