

Safety Data Sheet (SDS)

1 Identification of the substance and of the company

.Product Name: Water Color Pen (24 Colors)

.SDS for material: Ink

.Manufacturer/Supplier: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Address: No.311 Qixiang North Road, Ninghai, Ningbo, China

.Tel: +86-574-6558 3373

.Fax: +86-574-6559 7373

.E-Mail: vicky.h@chinamutualbenefit.com

.Further information obtainable from: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Emergency Telephone Number: +86-134 8251 2395

.Contact: Vicky

2 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 1; Fire = 0; Reactivity = 0

.Classification of the substance or mixture

.Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

.Classification according to GHS: Not applicable.

.Labelling according to Regulation (EC) No 1272/2008: Not applicable.

.Potential Acute Health Effects:

.Routes of Entry: Skin contact, Eye contact, Inhalation, Ingestion.

.Eyes: Direct contact will irritate to eyes.

.Skin: No known acute effects of this product resulting from skin contact. But it will irritate damaged skin causes pain. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

.Inhalation: Negligible at room temperature. Irritating vapors or fume can be irritating to the upper respiratory tract. when the products is processed at high temperatures. Much Inhalation will have nasal irritation, chest tightness, dizziness and other symptoms

.Ingestion: Harmful if swallowed, After swallowing may be accompanied by abdominal pain, diarrhea, nausea, and vomiting.

.Potential Chronic Health Effects:

.CARCINOGENIC EFFECTS: This material is not a carcinogen. Classified ~~NONE~~ by NTP, ~~NONE~~ , OSHA and by IARC.

.MUTAGENIC AND TERATOGENIC EFFECTS: Not available.



3 Composition/information on ingredients

.Description: Mixture of substances listed below with additions.

Components Name	CAS No.	Weight Percent (%)							
		Red	Blue	Green	Violt	Dark Brown	Black	Pink	Sky Blue
Water(Aqua)	7732-18-5	73.35	73.35	73.35	73.35	72.35	72.35	74.35	72.35
Potassium sorbate	590-00-1	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Glycerol	56-81-5	25	25	25	25	25	25	25	25
Acid Red 1	3734-67-6	1.5							
Basic Violet 11	2390-63-8		0.75	0.75	1				
Basic Green 1	633-03-4		0.75						
Acid Yellow 11	6359-82-6			0.75		1			
Acid Black 1	1064-48-8					1.5	2.5		
Anthocyanins	11029-12-2							0.5	
Acid Blue 9	2650-18-2								2.5

Components Name	CAS No.	Weight Percent (%)							
		Rose	Light Green	Orange	Mango Yellow	Deep Green	Orange Red	Grey	Purple Red
Water(Aqua)	7732-18-5	73.85	73.35	73.35	73.35	72.35	72.35	72.85	73.85
Potassium sorbate	590-00-1	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Glycerol	56-81-5	25	25	25	25	25	25	25	25
Anthocyanins	11029-12-2	1							0.8
Acid Yellow 11	6359-82-6		1.2	0.8		0.5	1		
Basic Green 1	633-03-4		0.3			1.16			
Acid Red 1	3734-67-6			0.8			1.5		
Sunset Yellow FCF	2783-94-0				1.5				
Acid Black 1	1064-48-8					0.84		1.2	
Basic Violet 11	2390-63-8							0.8	0.2

Components Name	CAS No.	Weight Percent (%)							
		Light Purple	Deep Blue	Grass Green	Lake Blue	Yellow	Light Orange	Khaki	Brown
Water(Aqua)	7732-18-5	74.55	72.35	71.85	74.55	72.85	73.35	73.25	71.85
Potassium sorbate	590-00-1	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Glycerol	56-81-5	25	25	25	25	25	25	25	25
Basic Violet 11	2390-63-8	0.3	2	0.5	0.1				
Acid Black 1	1064-48-8		0.5					0.3	1
Acid Yellow 11	6359-82-6			1.5		2		0.83	
Basic Green 1	633-03-4			1	0.2				
Sunset Yellow FCF	2783-94-0						1.5		2
Acid Red 1	3734-67-6							0.47	

4 First aid measures

- .After inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
- .After skin contact:** Normally does not need first aid after skin contact, When need flush skin with plenty of water for a few minutes . Get medical aid If irritation or sensitization develops or persists.
- .After eye contact:** Immediately flush eyes with plenty of water for at few minutes, occasionally lifting the upper and lower eyelids.
- .After swallowing:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an Unconscious person. Get medical aid.

5 Fire-fighting measures

- .General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Decomposes at high temperatures, resulting in toxic and corrosive products. Containers may explode when heated.
- .Extinguishing Media:** CO2, Dry Chemicals, Foam-Fog
- .Flash point:** Not available
- .Special fire & explosion hazards:** Fire may Decomposition harmful smoke and gas, Negligible explosion hazard.

6 Accidental release measures

- .Small Spill and Leak:** Mix absorb leaked material with (sand, diatomite, sawdust) then Cleaning and placed into a suitable container handling.
- .Large Spill and Leak:** Isolation accident area to prevent the leak products to be contaminated , Dug Pit to gather leaked liquid and then to recycling collection the leak products.

7 Handling and storage

.Handling: Removal of products need to wear protective gloves , handled with care when handling apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene,and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths , must be worn. Observe all warnings and precautions listed for the product.

.Storage: Store in a cool area, Keep container tightly sealed, Keep air contact to a minimum.
Combustible materials should be stored away from extreme heat and away from reactive substances.

8 Exposure controls/personal protection

.Ventilation and Engineering controls: Enhance ventilation,Provide safety shower and eyewash equipment.

.Respiratory Protection: No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard, applicable U.S. State regulations, or the Canadian CSA standard.

.Body Protection: General protective clothing.

.Protective Gloves: Choose rubber or plastic gloves with elbow-length gauntlet.

.Eye Protection: Unnecessary ,When necessary wear chemical goggles or face shield.

9 Physical and chemical properties

.General Information	
.Form:	Liquid
.Color:	24 Colors
.Odor:	Slightly odor
.Change in condition	
.Melting point/Melting range:	<0 °C
.Decomposition temperature:	Not available
.Flash point:	Not available
.Danger of explosion:	Product does not present an explosion hazard
.Density:	
.Relative density:	>1 (Water=1)
.Vapor density:	>1 (Air=1)
.Evaporation rate	Not Applicable
.Solubility in/Miscibility with	
.Water:	Soluble
.PH-Value:	6~9
.Viscosity:	
.Dynamic:	Not available

10 Stability and reactivity

- .Chemical Stability:** Stable under normal temperatures and pressures.
- .Solubility:** Soluble in water, ethanol, butyl acetate, acetone and other organic solvents.
- .Hazardous Decomposition Products:** No further relevant information available.
- .Hazardous Polymerization:** Hazardous polymerization will not occur.

11 Toxicological information

- .Toxicity to Animals:**
 - LD50: Not available.
 - LC50: Not available.
- .Potential Acute Health Effects on Humans:** Harmful if swallowed, And may cause eye and skin slight irritation.
- .Other Toxic Effects on Humans:** No further relevant information available.

12 Ecological information

- .Mobility and bioaccumulation potential:** No further relevant information available.
- .Ecotoxic effects:** No further relevant information available.
- .Aquatic toxicity:** No further relevant information available.
- .Environmental Precautions:** It must be disposed of by incineration or in an authorized waste deposit.

13 Disposal considerations

- .Product:** Must be disposed of in accordance with applicable Federal, state and local regulations.
- .Recommendation:** Must not be dispose together with household garbage.
- .Uncleaned packaging:** Recommendation Disposal must be made according to official regulations.

14 Transport information

- .DOT Classification for Bulk Shipments (non bulk shipments may differ):** Not a DOT controlled material (United States).
- .DOT Proper Shipping Name:** Not applicable.
- .UN Number:** Not applicable.
- .Packing Group:** Not applicable.
- .Marine Pollutant:** Not available.
- .Hazardous Substance Reportable Quantity:** Not available.
- .Special Provisions for Transport:** Not applicable.
- .TDG Classification:** Not controlled under TDG (Canada).
- .ADR/RID Classification:** Not controlled under ADR(Europe)
- .IMO/IMDG Classification:** Not Controlled under IMDG
- .ICAO/IATA Classification:** Not controlled under IATA.

15 Regulatory information

.HCS Classification: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

.TSCA inventory: All components are exempted.

.SARA 301/302/303: No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification(Appendix A to Part 355).

.International Regulations

.WHMIS: Not controlled under WHMIS

.DSCL: Not controlled under DSCL

.StateRegulation: No products were found.

.California Prop.65:There are no Proposition 65 chemicals present in this products levels that would require a warning under the California Safe Drinking Water and Toxic Enforcement Act.

.REACH Regulation List of Substances of very high concern (SVHC) : None of the ingredients is listed.

.Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014:2009.

DISCLAIMER OF LIABILITY

The information in this 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 handing, 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning theInternational Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*****The End*****

Safety Data Sheet (SDS)

1 Identification of the substance and of the company

.Product Name: HB & 2B pencils

.SDS for material: Pencils core

.Manufacturer/Supplier: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Address: No.311 Qixiang North Road, Ninghai, Ningbo, China

.Tel: +86-574-6558 3373

.Fax: +86-574-6559 7373

.E-Mail: vicky.h@chinamutualbenefit.com

.Further information obtainable from: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Emergency Telephone Number: +86-134 8251 2395

.Contact: Vicky

2 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 1; Fire = 0; Reactivity = 0

· **Classification according to Regulation (EC) No 1272/2008:** The product is not classified according to the CLP regulation.

· **Classification according to GHS :** Not applicable.

· **Labelling according to Regulation (EC) No 1272/2008:** Not applicable.

· **Hazard pictograms:** Not applicable.

· **Signal word:** Not applicable.

· **Potential Health Effects:** If dust is generated, slightly hazardous in case of inhalation and eye contact (irritant).

Inhalation dust of this substance is harmful to lungs, mucous membranes.

Repeated or prolonged exposure to the dust of this substance can produce target organs damage.

after inhalation will have asthma, dyspnea or fatigue, shortness of breath, fever, lung scarring.

Ingestion of large amounts may cause gastrointestinal irritation. And may cause mechanical obstruction of the digestive, abdominal distension and pain.

· **Potential Chronic Health Effects**

· **Carcinogenic effects:** Not available.

· **Mutagenic effects:** Not available.

· **Teratogenic effects:** Not available.



3 Composition/information on ingredients

.Chemical characterization

Components name	CAS Number	Approximate(%)by Wt.	
		HB	2B
Graphite	7782-42-5	73%	80%
Kaolin	1332-58-7	27%	20%

4 First aid measures

.Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, Get medical attention if irritation occurs.

.Skin Contact: Wash skin with soap and water, Get medical attention if irritation develops.

.Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

.Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

.Effects of Overexposure - Chronic: None Known.

5 Fire-fighting measures

.Extiguishing Media: CO2; foam; dry chemical and water spray.

.Special Fire Fighting Procedures: Structural firefighters must wear self-contained breathing Apparatus and full protective equipment.

.Unusual Fire and Explosion Hazards: Not applicable.

.Explosion Sensitivity to Mechanical Impact: Not applicable.

.Explosion Sensitivity to Static Discharge: Not applicable.

6 Accidental release measures

.Release Response: Due to the nature of these products, no special accidental release measures are normally requirement. Uncontrolled release involving other materials released near these products should be responded to by appropriately trained personnel using preplanned procedures.

.Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

.Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

.Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the SDS and with local authorities.

7 Handling and storage

.Handling: Handling of products may form nuisance dust. Protect personnel.

Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that, Pollution in the surrounding air. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training in hazards. See NFPA 654.

.Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material.

Combustible materials should be stored away from extreme heat and away from Alcohol, strong acid, strong oxidizing agents.

8 Exposure controls/personal protection

.Ventilation and Engineering controls: No special ventilation and engineering controls are required for handling.

.Respiratory Protection: No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard, applicable U.S. State regulations, or the Canadian CSA standard.

.Body Protection: No special protective clothing is required.

.Protective Gloves: Rubber or plastic gloves with elbow-length gauntlet.

.Eye Protection: Unnecessary, When necessary wear chemical goggles or face shield.

9 Physical and chemical properties

.General Information	
.Form:	Solid
.Color:	Black
.Odor:	Odorless
.Change in condition	
.Melting point/Melting range:	Above 3600 °C
.Boiling point/Boiling range:	Above 4200 °C
.Ignition Temperature:	Not available
.Density:	
.Relative density:	>1 (water=1)
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with	
.Water:	Insoluble
.PH-Value:	Not available

10 Stability and reactivity

- .Chemical Stability:** Stable under normal temperatures and pressures.
- .Decomposition Products:** Products of thermal decomposition can include produce toxic gases (e.g. carbon oxides, nitrogen oxides, various hydrocarbons)..
- .Materials with which substance is incompatible:** None known.
- .Conditions to Avoid:** Avoid exposure or contact to extreme temperatures, incompatible chemicals. Such as Ozone, liquid oxygen, chlorine, manganese acid...

11 Toxicological information

- .Toxicity to Animals:**
 - LD50: Not available.
 - LC50: Not available.
- .Chronic Effects on Humans:** Causes damage to the following organs: lungs, mucous membranes.
- .Other Toxic Effects on Humans:** Not available.
- .Special Remarks on Chronic Effects on Humans:** Not available.

12 Ecological information

- .Ecotoxic effects:** Not expected to be acutely toxic. But it is harmful if ingested by animals and aquatic life. Because of high molecular weight and hard decomposition will remain in the soil and sink in the water .accumulation and sedimentation will occur.
- .Persistence and degradability:** It is expected to be inert in the environment and not to be degraded.
- .Other adverse effects:** Not expected to be acutely toxic.

13 Disposal considerations

- .Recycle if possible. Dispose product according to national/regional regulations in force. Send to authorized disposal plants or to authorize controlled condition incinerators.**
- .Waste Disposal Methods:** When no longer needed, may be disposed of as permitted by local waster handling authority.
- .U.S. EPA waste number:** Not applicable.

14 Transport information

- .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 No.:** Not applicable
- .Marine Pollutant:** No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172. 101
- .ADR/RID Classification:** Not applicable
- .IMO/IMDG Classification:** Not applicable
- .ICAO/IATA Classification:** Not applicable

15 Regulatory information

- .Sara reporting requirements:** Not applicable as an article. The components of these products do not have requirements as pure compounds; if dusts from the product are produced, SARA requirements may be applicable.
- .Sara threshold planning quantity:** There are no specific threshold planning quantities for the components of these products. None of the ingredients is listed.
- .TSCA (Toxic substances Control ACT):** There are articles and are not subject to the requirements of TSCA.
- .California Safe drinking water and toxic enforcement act (Proposition 65):** No component of these products is on the proposition 65 lists.
- .REACH Regulation List of Substances of very high concern (SVHC):** None of the ingredients is listed.
- .Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014:2009.

DISCLAIMER OF LIABILITY

The information in this 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Abbreviations and acronyms:

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IMDG: International Maritime Code for Dangerous Goods

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ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*****The End*****

Safety Data Sheet (SDS)

1 Identification of the substance/preparation and of the company/undertaking

.Product Name: Eraser

.Manufacturer/Supplier: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Address: No.311 Qixiang North Road, Ninghai, Ningbo, China

.Tel: +86-574-6558 3373

.Fax: +86-574-6559 7373

.E-Mail: vicky.h@chinamutualbenefit.com

.Further information obtainable from: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Emergency Telephone Number: +86-134 8251 2395

.Contact: Vicky

2 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 0; Fire = 1; Reactivity = 0

.Classification of the substance or mixture

.Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

.Classification according to GHS: Not applicable.

.Labelling according to Regulation (EC) No 1272/2008: Not applicable.

.Emergency Overview: Irritating vapors to respiratory system and eyes may form when polymer is processed at high temperatures or burning. Molten or heated material in skin contact can cause severe burns.

.Routes of Entry: FOR HOT MATERIAL: Skin contact, Eye contact, Inhalation.

.Potential Health Effects:

.Inhalation: Little Inhalation volatile smell will not have any harm, but long-term inhalation volatile smell or combustion fumes and steam of this products is harmful.

.Eyes: Under normal circumstances products is no eye contact hazard.

Heated Product: Eye contact can cause serious thermal burns. Vapour or fume formed may be irritating to the eye when product is heated or burning.

.Skin: Not known acute effects of this product resulting from skin contact. but for heated or burning material skin contact can cause serious thermal burns.

.Swallowed: Harmful if swallowed, Can not be digested and swallowing may be have a choking hazard.

.Potential Chronic Health Effects:



.CARCINOGENIC EFFECTS: Not available.

.MUTAGENIC EFFECTS: Not available.

.TERATOGENIC EFFECTS: Not available.

3 Composition/information on ingredients

.Chemical characterization: Mixture of substances listed below with additions.

Components Name	CAS Number	Weight Percent (%)
Calcium carbonate	471-34-1	40%
Styrene-butadiene rubber	9003-55-8	35%
Waste mineral oil	8020-83-5	25%

4 First aid measures

.Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for a few minutes. Cold water may be used. Get medical attention immediately.

.Skin Contact: No known acute effects of this product resulting from skin contact. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

.Serious Skin Contact: general state products do not existence the reflect when serious skin contact, But when skin contact hot or Burning rubber quickly make the thermal burns skin into the cold water. then Seek immediate medical attention.

.Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

.Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.

WARNING: When products is burning may release toxic smoke, should as much as possible avoid inhalation of the smoke.

.Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

5 Fire-fighting measures

.Extinguishing Media: CO₂; foam; dry chemical and water spray.

.Special Fire Fighting Procedures: Structural firefighters must wear self-contained breathing Apparatus and full protective equipment.

.Unusual Fire and Explosion Hazards: If involved in a fire, these products may ignite or decompose. Products of thermal decomposition can include produce toxic gases (e.g. carbon oxides, nitrogen oxides, various hydrocarbons).

.Explosion Sensitivity to Mechanical Impact: Not applicable.

.Explosion Sensitivity to Static Discharge: Not applicable.

6 Accidental release measures

.Small Spill: Small leak is meaningless,where have scattered on the ground only need to pick up it.

.Large Spill: There is a solid product large number of leaks non-hazardous,when the large number of product leaks should be use a shovel to put the material returned into a convenient packaging container.

7 Handling and storage

.Precautions: Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground All equipment containing material, Do not ingest.

In case of insufficient ventilation, wear suitable respiratory equipment.

Keep away from incompatibles such as oxidizing agents, reducing agents, acids.

.Storage: Stored in a cool, ventilated warehouse. Away from fire and heat sources. To prevent direct sunlight and rain. products should be separately storage away from food, Equipped with the appropriate variety and quantity of Extinguisher.

8 Exposure controls/personal protection

.Ventilation and Engineering controls:No special ventilation and engineering controls are required , handling of these products need keep good ventilation.

.Respiratory Protection:A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

.Body Protection: No special protective clothing is required.

.Protective Gloves: Unnecessary,When need choose rubber gloves or other insulated gloves.

.Eye Protection: Unnecessary ,When necessary wear chemical goggles or face shield.

9 Physical and chemical properties

.General Information	
.Form:	Solid
.Color:	White
.Odor:	Odorless
.Change in condition	
.Melting point/Melting range:	Not available
.Brittleness temperature:	<-50 ℃
.Self-igniting:	Not available
.Danger of explosion:	Not available
.Density:	
.Relative density:	>1 (Water=1)
.Solubility in/Miscibility with	
.Water:	Insoluble
.PH-Value:	6-9

10 Stability and reactivity

- .Chemical Stability:** Stable under normal temperatures and pressures.
- .Decomposition Products:** Products of thermal decomposition can include produce toxic gases (e.g. carbon oxides, nitrogen oxides, various hydrocarbons)..
- .Hazardous Polymerizations:** Will not occur.
- .Conditions to Avoid:** Avoid exposure or contact to extreme temperatures, incompatible chemicals.

11 Toxicological information

- .Toxicity to Animals:**
 - Acute oral toxicity (LD50): Not available.
 - Acute toxicity of the dust (LC50): Not available.
- .Other Toxic Effects on Humans:** None
- .Special Remarks on Toxicity to Animals:** None
- .Special Remarks on Chronic Effects on Humans:** None
- .Special Remarks on other Toxic Effects on Humans:** None

12 Ecological information

- .Ecotoxic effects:** Not expected to be toxic. But rubber in the heating or burning may be generate a toxic gas or smoke, a large number of toxic gases or fumes may cause eye and respiratory tract injury
- .Persistence and degradability:** Sun light may cause surface degradation .It is expected to be inert in the environment and not to bio gradate.
- .Other adverse effects:** Not available.

13 Disposal consideration

- .Recycle if possible. Dispose product according to national/regional regulations in force. Send to authorized disposal plants or to authorize controlled condition incinerators. Contaminated packaging may be recycled or disposed; in this case the receiver must be informed of potential hazards.**
- .Waste Disposal Methods:** When no longer needed, these articles may be disposed of as permitted by local waster handling authority.
- .U.S. EPA waste number:** Not applicable.

14 Transport information

- .DOT Classification for Bulk Shipments (non bulk shipments may differ):** Not a DOT controlled material (United States)
- .Hazard class number and description:** Not applicable
- .UN Number:** Not available.
- .Packing Group:** Not applicable
- .IMO/IMDG Classification:** Not Controlled under IMDG
- .ICAO/IATA Classification:** Not controlled under IATA.
- .Marine Pollutant:** No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172.101

15 Regulatory information

.Sara reporting requirements: Not applicable as an article. The components of these products do not have requirements as pure compounds; if dusts from the product are produced, SARA requirements may be applicable.

.Sara threshold planning quantity: There are no specific threshold planning quantities for the components of these products. None of the ingredients is listed.

.TSCA (Toxic substances Control ACT): There are articles and are not subject to the requirements of TSCA.

.California Safe drinking water and toxic enforcement act (Proposition 65): No component of these products is on the proposition 65 lists.

.OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

.European/International Regulations

.REACH Regulation List of Substances of very high concern (SVHC):None of the ingredients is listed.

16 Other information

The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014:2009.

DISCLAIMER OF LIABILITY

The information in this 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 handing, 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*****The End*****

Safety Data Sheet (SDS)

1 Identification of the substance and of the company

.Product Name: Crayon (24 Colors)

.Manufacturer/Supplier: NINGBO HENGRUI CULTURE AND EDUCATION APPLIANCE CO.,LTD

.Address: No.311 Qixiang North Road, Ninghai, Ningbo, China

.Tel: +86-574-6558 3373

.Fax: +86-574-6559 7373

.E-Mail: vicky.h@chinamutualbenefit.com

.Further information obtainable from: NINGBO HENGRUI CULTURE AND EDUCATION APPLIANCE CO.,LTD

.Emergency Telephone Number: +86-134 8251 2395

.Contact: Vicky

2 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 1; Fire = 1; Reactivity = 0

.Classification of the substance or mixture

.Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

.Classification according to GHS : Not applicable.

.Labelling according to Regulation (EC) No 1272/2008: Not applicable.

.Hazard pictograms: Not applicable.

.Signal word: Not applicable.

.Hazard statements: This mixture is considered as non dangerous mixture according to the directive 1999/45/EC.

.Results of PBT and vPvB assessment: Not applicable.

.Other hazards: See section 11.

.Potential Chronic Health Effects

.CARCINOGENIC EFFECTS: Not available.

.MUTAGENIC EFFECTS: Not available.

.TERATOGENIC EFFECTS: Not available.

.Medical Conditions Aggravated by Overexposure: There is no known effect from chronic exposure to this product.

Repeated or prolonged exposure is not known to aggravate any medical condition.

.Overexposure/ Signs/ Symptoms: No information available.



3 Composition/information on ingredients

.Description: Mixture of substances listed below with additions

Components Name	CAS No.	Weight Percent (%)							
		Red	Yellow	Blue	Green	Violte	Black	White	Pink
Paraffin Wax	8002-74-2	73.50	73.50	73.50	73.50	73.50	73.50	73.50	73.50
Polyethylene	9002-88-4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium Carbonate	471-34-1	14	14	14	14	14	14	14	14
Butylated hydroxytoluene	128-37-0	1	1	1	1	1	1	1	1
Stearic Acid	57-11-4	3	3	3	3	3	3	3	3
Castor Oil	8001-79-4	3	3	3	3	3	3	3	3
Pigment Red 48 calcium salt	7023-61-2	3							0.44
Pigment yellow 3	6486-23-3	1	4		0.56				
Cyanine Blue G 314	12239-87-1			3.88					
C.I.Pigment Blue 1	1325-87-7			0.12					
C.I.Pigment Green 7	1328-53-6				3.44				
C.I.Basic Violet 11	2390-63-8					3.76			
C.I.Pigment Blue 15	147-14-8					0.24			
C.I.Acid Black 24	3071-73-6						4		
C.I.Pigment White 5	1345-05-7							4	3.56

Components Name	CAS No.	Weight Percent (%)							
		Orange	Apple Green	Grey	Peach	Brown	Mango Orange	Medium Blue	Light Rose
Paraffin Wax	8002-74-2	73.50	73.50	73.50	73.50	73.50	73.50	73.50	73.50
Polyethylene	9002-88-4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium Carbonate	471-34-1	14	14	14	14	14	14	14	14
Butylated hydroxytoluene	128-37-0	1	1	1	1	1	1	1	1
Stearic Acid	57-11-4	3	3	3	3	3	3	3	3
Castor Oil	8001-79-4	3	3	3	3	3	3	3	3
Benzidine orange	3520-72-7	4			0.2	2.64	0.44		
Pigment yellow 3	6486-23-3		2.16				3.56		
C.I.Pigment Green 7	1328-53-6		1.84						
C.I.Pigment White 5	1345-05-7			3.8	3.8	0.56		2.68	2.3
C.I.Acid Black 24	3071-73-6			0.2		0.44			
Cyanine Blue G 314	12239-87-1					0.36			
C.I.Basic Violet 11	2390-63-8							0.52	
C.I.Pigment Blue 15	147-14-8							0.8	
C.I.Pigment Red 49:1	1103-38-4								0.5
C.I.Pigment Red 63,calcium salt(1:1)	6417-83-0								1.2

Components Name	CAS No.	Weight Percent (%)							
		Deep Red	Deep Orange	Garnet	Orange Red	Light Orange	Lake Blue	Olive Green	Sky Blue
Paraffin Wax	8002-74-2	73.50	73.50	73.50	73.50	73.50	73.50	73.50	73.50
Polyethylene	9002-88-4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium Carbonate	471-34-1	14	14	14	14	14	14	14	14
Butylated hydroxytoluene	128-37-0	1	1	1	1	1	1	1	1
Stearic Acid	57-11-4	3	3	3	3	3	3	3	3
Castor Oil	8001-79-4	3	3	3	3	3	3	3	3
C.I.Pigment White 5	1345-05-7	1.84							1.8
C.I.Pigment Red 49:1	1103-38-4	0.92	1.76		3.08				
C.I.Pigment Red 63,calcium salt(1:1)	6417-83-0	1.24		2.64					
Benzidine orange	3520-72-7		2.24		0.92	1.5			
C.I.Pigment Blue 1	1325-87-7			0.04					
C.I.Pigment Red 81	12224-98-5			1.32					
Pigment yellow 3	6486-23-3					2.5		1.5	
C.I.Pigment Blue 15	147-14-8						2.5		2.2
C.I.Pigment Green 7	1328-53-6						1.5	2.5	

4 First aid measures

- .After inhalation:** If there have unwell feeling, supply fresh air; consult doctor in case of complaints.
- .After skin contact:** Timely wash with water and soap and rinse thoroughly.
- .After eye contact:** Immediately flush eyes with plenty of water for a few minutes, occasionally lifting the upper and lower eyelids. If the symptoms can not be eased Get medical aid immediately.
- .After swallowing:** Gargle with water ,and to drink enough water or milk to emetic ,If symptoms persist consult doctor.

5 Fire-fighting measures

- Protective equipment:** Wear fully protective suit. Mouth respiratory protective device.Do not inhale combustion gases.
- .Extinguishing Media:** CO2, sand, extinguishing powder, Dry Chemical, Carbon Dioxide.
- .Special fire & explosion hazards:** Heating or burning will release toxic gases or fumes, Negligible explosion hazard.

6 Accidental release measures

- .Person-related safety precautions:** Wear protective equipment.
- .Measures for environmental protection:** Do not allow much product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- .Measures for cleaning/collecting**
 - .Small leak:** This product is solid under normal temperature, where have scattered on the ground only need to pick up it. Good housekeeping must be maintained at all times to avoid stumbling hazard.
 - .Much leak:** Isolation accident area to prevent the leak products to be contaminated, And then to recycling the leak products.

7 Handling and storage

.Information for safe handling:Store in cool, dry place in tightly closed receptacles.Ensure good ventilation/exhaustion at the workplace.

.Information about fire - and explosion protection: Not available

.Storage

.Requirements to be met by storerooms and receptacles: Store in a cool location.

.Information about storage in one common storage facility: Store away from flammable substances.

.Further information about storage conditions:Keep container tightly sealed.Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

.Ventilation and Engineering controls:No special ventilation and engineering controls are required.

.Respiratory Protection: No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHS Standard, applicable U.S. State regulations, or the Canadian CSA standard.

.Body Protection: General protective clothing.

.Protective Gloves: Unnecessary, If use choose Rubber or plastic acid-resistant gloves with elbow-length gauntlet.

.Eye Protection: Unnecessary ,When necessary wear chemical goggles or face shield.

9 Physical and chemical properties

.General Informatio	
Form:	Solid (room temperature)
Color:	24 Colors
Odor:	Odorless
.Change in condition	
Melting point/Melting range:	>40 °C
Boiling point/Boiling range:	Not available
.Flash point:	Not available
.Self-igniting:	Not
.Danger of explosion:	Product does not present an explosion hazard
.Density:	
.Relative density:	<1(Water=1)
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with	
Water:	Insoluble
.PH-Value:	Not available
.Viscosity:	
Dynamic:	Not available

10 Stability and reactivity

.Chemical Stability: The product is stable.

.Hazardous Decomposition Products: The following combustion products may be generated: carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds.

.Hazardous Polymerization: Hazardous polymerization will not occur.

11 Toxicological information

.Toxicity to Animals:

LD50: Not available.

LC50: Not available.

.Other Potential Health Effects: Slightly hazardous in case of eye contact (irritant), and harmful if ingestion,

.On the skin: Long time much contact can lead to wax plugging of skin follicles and producing so-called "Wax Boils".

.On the eye: Irritating effect possible.

12 Ecological information

Information about elimination (persistence and degradability): Removable from water.

Mobility and bioaccumulation potential: Not available

Acquatic toxicity: Not available

General notes:Water hazard class 0 (German Regulation) (Self-assessment): No hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

13 Disposal considerations

.Product: Must be disposed of in accordance with applicable Federal, state and local regulations.

.Recommendation:Must not be dispose together with household garbage. Do not allow product to reach sewage system.

.Uncleaned packaging: Recommendation Disposal must be made according to official regulations.

14 Transport information

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

.Shipping Name: Not applicable.

.UN Number: Not applicable.

.Packing Group: Not applicable.

.Marine Pollutant: Not.

.Special Provisions for Transport: Not applicable.

.TDG Classification: Not controlled under TDG (Canada).

.ADR/RID Classification: Not controlled under ADR(Europe)

.IMO/IMDG Classification: Not Controlled under IMDG

.ICAO/IATA Classification: Not controlled under IATA.

15 Regulatory information

.HCS Classification: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

.U.S. Federal Regulation:

.TSCA inventory: All components are listed or exempted.

.Illinois toxic substances disclosure to employee act: Wax (Paraffin) Fume

.Rhode Island RTK hazardous substances: Wax (Paraffin) Fume

.SARA 301/302/303: No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification

.SARA 304: No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning And Notification(SARA extremely hazardous substances listed in Appendix A to Part 355 or CERCLA hazardous substances listed in Table 302.4 of 40 CFR Part 302).

.European/International Regulations

.MAK(German Maximum Workplace Concentration) : None of the ingredients is listed.

.REACH Regulation List of Substances of very high concern (SVHC) : None of the ingredients is listed.

.Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014-2009.

DISCLAIMER OF LIABILITY

The information in this 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 handing, 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may be not applicable.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*****The End*****

Safety Data Sheet (SDS)

1 Identification of the substance and of the company

.Product Name: Oil Pastel (24 Colors)

.Manufacturer/Supplier: NINGBO HENGRUI CULTURE AND EDUCATION APPLIANCE CO.,LTD

.Address: No.311 Qixiang North Road,Ninghai,Ningbo,China

.Tel: +86-574-6558 3373

.Fax: +86-574-6559 7373

.E-Mail: vicky.h@chinamutualbenefit.com

.Further information obtainable from: NINGBO HENGRUI CULTURE AND EDUCATION APPLIANCE CO.,LTD

.Emergency Telephone Number: +86-134 8251 2395

.Contact: Vicky

2 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 1; Fire = 1; Reactivity = 0

.Classification of the substance or mixture

.Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

.Classification according to GHS : Not applicable.

.Labelling according to Regulation (EC) No 1272/2008: Not applicable.

.Hazard pictograms: Not applicable.

.Signal word: Not applicable.

.Hazard statements: This mixture is considered as non dangerous mixture according to the directive 1999/45/EC.

.Results of PBT and vPvB assessment: Not applicable.

.Other hazards: See section 11.

.Potential Chronic Health Effects

.CARCINOGENIC EFFECTS: Not available.

.MUTAGENIC EFFECTS: Not available.

.TERATOGENIC EFFECTS: Not available.

.Medical Conditions Aggravated by Overexposure: There is no known effect from chronic exposure to this product.

Repeated or prolonged exposure is not known to aggravate any medical condition.

.Overexposure/ Signs/ Symptoms: No information available.



3 Composition/information on ingredients

.Description: Mixture of substances listed below with additions

Components Name	CAS No.	Weight Percent (%)							
		Red	Yellow	Blue	Green	Black	White	Pink	Violte
Paraffin Wax	8002-74-2	65	65	65	65	65	65	65	65
Polyethylene	9002-88-4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium Carbonate	471-34-1	12	12	12	12	12	12	12	12
Butylated hydroxytoluene	128-37-0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Stearic Acid	57-11-4	3	3	3	3	3	3	3	3
Castor Oil	8001-79-4	5	5	5	5	5	5	5	5
Pigment Red 48 calcium salt	7023-61-2	3						0.44	
Pigment yellow 3	6486-23-3	1	4		0.56				
Cyanine Blue G 314	12239-87-1			3.88					
C.I.Pigment Blue 1	1325-87-7			0.12					
C.I.Pigment Green 7	1328-53-6				3.44				
C.I.Basic Violet 11	2390-63-8								3.76
C.I.Pigment Blue 15	147-14-8								0.24
C.I.Acid Black 24	3071-73-6					4			
C.I.Pigment White 5	1345-05-7						4	3.56	

Components Name	CAS No.	Weight Percent (%)							
		Orange	Apple Green	Grey	Peach	Brown	Mango Yellow	Medium Blue	Light Rose
Paraffin Wax	8002-74-2	65	65	65	65	65	65	65	65
Polyethylene	9002-88-4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium Carbonate	471-34-1	12	12	12	12	12	12	12	12
Butylated hydroxytoluene	128-37-0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Stearic Acid	57-11-4	3	3	3	3	3	3	3	3
Castor Oil	8001-79-4	5	5	5	5	5	5	5	5
Benzidine orange	3520-72-7	4			0.2	2.64	0.44		
Pigment yellow 3	6486-23-3		2.16				3.56		
C.I.Pigment Green 7	1328-53-6		1.84						
C.I.Pigment White 5	1345-05-7			3.8	3.8	0.56		2.68	2.3
C.I.Acid Black 24	3071-73-6			0.2		0.44			
Cyanine Blue G 314	12239-87-1					0.36			
C.I.Basic Violet 11	2390-63-8							0.52	
C.I.Pigment Blue 15	147-14-8							0.8	
C.I.Pigment Red 49:1	1103-38-4								0.5
C.I.Pigment Red 63,calcium salt(1:1)	6417-83-0								1.2

Components Name	CAS No.	Weight Percent (%)							
		Deep Red	Deep Orange	Garnet	Orange Red	Light Green	Deep Blue	Olive Green	Sky Blue
Paraffin Wax	8002-74-2	65	65	65	65	65	65	65	65
Polyethylene	9002-88-4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium Carbonate	471-34-1	12	12	12	12	12	12	12	12
Butylated hydroxytoluene	128-37-0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Stearic Acid	57-11-4	3	3	3	3	3	3	3	3
Castor Oil	8001-79-4	5	5	5	5	5	5	5	5
C.I.Pigment White 5	1345-05-7	1.84							1.8
C.I.Pigment Red 49:1	1103-38-4	0.92	1.76		3.08				
C.I.Pigment Red 63,calcium salt(1:1)	6417-83-0	1.24		2.64					
Benzidine orange	3520-72-7		2.24		0.92				
C.I.Pigment Blue 1	1325-87-7			0.04					
C.I.Pigment Red 81	12224-98-5			1.32					
Pigment yellow 3	6486-23-3					3.84		1.5	
C.I.Pigment Blue 15	147-14-8						3		2.2
C.I.Pigment Green 7	1328-53-6					0.16		2.5	
C.I.Basic Violet 11	2390-63-8						1		

4 First aid measures

- .After inhalation:** If there have unwell feeling, supply fresh air; consult doctor in case of complaints.
- .After skin contact:** Timely wash with water and soap and rinse thoroughly.
- .After eye contact:** Immediately flush eyes with plenty of water for a few minutes, occasionally lifting the upper and lower eyelids. If the symptoms can not be eased Get medical aid immediately.
- .After swallowing:** Gargle with water ,and to drink enough water or milk to emetic ,If symptoms persist consult doctor.

5 Fire-fighting measures

- Protective equipment:** Wear fully protective suit. Mouth respiratory protective device.Do not inhale combustion gases.
- .Extinguishing Media:** CO2, sand, extinguishing powder, Dry Chemical, Carbon Dioxide.
- .Special fire & explosion hazards:** Heating or burning will release toxic gases or fumes, Negligible explosion hazard.

6 Accidental release measures

- .Person-related safety precautions:** Wear protective equipment.
- .Measures for environmental protection:** Do not allow much product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- .Measures for cleaning/collecting**
 - .Small leak:** This product is solid under normal temperature, where have scattered on the ground only need to pick up it. Good housekeeping must be maintained at all times to avoid stumbling hazard.
 - .Much leak:** Isolation accident area to prevent the leak products to be contaminated, And then to recycling the leak products.

7 Handling and storage

.Information for safe handling:Store in cool, dry place in tightly closed receptacles.Ensure good ventilation/exhaustion at the workplace.

.Information about fire - and explosion protection: Not available

.Storage

.Requirements to be met by storerooms and receptacles: Store in a cool location.

.Information about storage in one common storage facility: Store away from flammable substances.

.Further information about storage conditions:Keep container tightly sealed.Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

.Ventilation and Engineering controls:No special ventilation and engineering controls are required.

.Respiratory Protection: No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHS Standard, applicable U.S. State regulations, or the Canadian CSA standard.

.Body Protection: General protective clothing.

.Protective Gloves: Unnecessary, If use choose Rubber or plastic acid-resistant gloves with elbow-length gauntlet.

.Eye Protection: Unnecessary ,When necessary wear chemical goggles or face shield.

9 Physical and chemical properties

.General Informatio	
.Form:	Solid (room temperature)
.Color:	24 Colors
.Odor:	Odorless
.Change in condition	
.Melting point/Melting range:	>40 °C
.Boiling point/Boiling range:	Not available
.Flash point:	Not available
.Self-igniting:	Not
.Danger of explosion:	Product does not present an explosion hazard
.Density:	
.Relative density:	<1(Water=1)
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with	
.Water:	Insoluble
.PH-Value:	Not available
.Viscosity:	
.Dynamic:	Not available

10 Stability and reactivity

.Chemical Stability: The product is stable.

.Hazardous Decomposition Products: The following combustion products may be generated: carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds.

.Hazardous Polymerization: Hazardous polymerization will not occur.

11 Toxicological information

.Toxicity to Animals:

LD50: Not available.

LC50: Not available.

.Other Potential Health Effects: Slightly hazardous in case of eye contact (irritant), and harmful if ingestion,

.On the skin: Long time much contact can lead to wax plugging of skin follicles and producing so-called "Wax Boils".

.On the eye: Irritating effect possible.

12 Ecological information

Information about elimination (persistence and degradability): Removable from water.

Mobility and bioaccumulation potential: Not available

Acquatic toxicity: Not available

General notes:Water hazard class 0 (German Regulation) (Self-assessment): No hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

13 Disposal considerations

.Product: Must be disposed of in accordance with applicable Federal, state and local regulations.

.Recommendation:Must not be dispose together with household garbage. Do not allow product to reach sewage system.

.Uncleaned packaging: Recommendation Disposal must be made according to official regulations.

14 Transport information

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

.Shipping Name: Not applicable.

.UN Number: Not applicable.

.Packing Group: Not applicable.

.Marine Pollutant: Not.

.Special Provisions for Transport: Not applicable.

.TDG Classification: Not controlled under TDG (Canada).

.ADR/RID Classification: Not controlled under ADR(Europe)

.IMO/IMDG Classification: Not Controlled under IMDG

.ICAO/IATA Classification: Not controlled under IATA.

15 Regulatory information

.HCS Classification: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

.U.S. Federal Regulation:

.TSCA inventory: All components are listed or exempted.

.Illinois toxic substances disclosure to employee act: Wax (Paraffin) Fume

.Rhode Island RTK hazardous substances: Wax (Paraffin) Fume

.SARA 301/302/303: No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification

.SARA 304: No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning And Notification(SARA extremely hazardous substances listed in Appendix A to Part 355 or CERCLA hazardous substances listed in Table 302.4 of 40 CFR Part 302).

.European/International Regulations

.MAK(German Maximum Workplace Concentration) : None of the ingredients is listed.

.REACH Regulation List of Substances of very high concern (SVHC) : None of the ingredients is listed.

.Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014-2009.

DISCLAIMER OF LIABILITY

The information in this 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 handing, 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may be not applicable.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*****The End*****

Safety Data Sheet (SDS)

1 Identification of the substance/preparation and of the company/undertaking

.Product Name: 24 colors pencils

.SDS for material: Pencils core

.Manufacturer/Supplier: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Address: No.311 Qixiang North Road, Ninghai, Ningbo, China

.Tel: +86-574-6558 3373

.Fax: +86-574-6559 7373

.E-Mail: vicky.h@chinamutualbenefit.com

.Further information obtainable from: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Emergency Telephone Number: +86-134 8251 2395

.Contact: Vicky

2 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 1; Fire = 0; Reactivity = 0

.Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

.Classification according to GHS: Not applicable.

.Labelling according to Regulation (EC) No 1272/2008: Not applicable.

.Hazard pictograms: Not applicable.

.Potential Health Effects:

.Primary Entry Routes: Swallowed, Inhalation, eye contact.

.Inhalation: Product does not present an inhalation hazard under normal circumstances, If dust is generated in the production or processing, short term exposure to high dust levels could cause respiratory tract irritation, Long term exposure to high Concentrations of dust should be avoided it will cause bronchitis, emphysema and hardening pneumoconiosis.

.Eyes: Dust may cause eye irritation, Direct contact should be avoided to prevent physical damage.

.Skin: No known acute effects of this product resulting from skin contact, but it will irritant the damaged skin and cause inflammation, in light of good industrial hygiene exposure to any chemical should be kept to a minimum.

.Swallowed: The product is not toxic, but harmful if swallowed.

.Potential Chronic Health Effects

.CARCINOGENIC EFFECTS: This material is not a known carcinogen. Classified NONE by NTP, NONE by OSHA, 3 (Not classifiable for humans) by IARC.

.MUTAGENIC EFFECTS: Not available.

.TERATOGENIC EFFECTS: Not available.



3 Composition/information on ingredients

.Description: Mixture of substances listed below with additions.

Components Name	CAS No.	Weight Percent (%)							
		Red-purple	Light Brown	Red	Pink	Orange	Light Yellow	Sky Blue	Dark Green
Magnesium stearate	557-04-0	30	30	30	30	30	30	30	30
Talcum Powder	14807-96-6	33	22	30	33	33	35	31	35
(CMC) Cellulose Gum	9004-32-4	15	15	15	15	15	15	15	15
Cere Microcristallina	63231-60-7	15	15	15	15	15	10	15	13
Pigment Red 63	6417-83-0	4							
Pigment Red 3	2425-85-6	3							
Titanium dioxide	13463-67-7		5		2				
Iron oxide	1332-37-2		9						
Fastona yellow G	2512-29-0		4				10		3
C.I. pigment red 21	6410-26-0			10	5				
Pigment Orange 13	3520-72-7					7			
C.I. Pigment Blue 15	147-14-8							9	4

Components Name	CAS No.	Weight Percent (%)							
		Green	Deep Purple	Dull Blue	Black	Blue-green	Ginger	Golden Yellow	Middle-Green
Magnesium stearate	557-04-0	30	30	30	30	30	30	30	30
Talcum Powder	14807-96-6	35	30	30	30	37	36	31.9	35
(CMC) Cellulose Gum	9004-32-4	15	15	15	15	15	15	15	15
Cere Microcristallina	63231-60-7	15	15	15	15	15	15	15	15
Pigment Yellow 12	6358-85-6	2.5							2
C.I. Pigment Blue 15	147-14-8	2.5		10					3
Pigment Violet 23	6358-30-1		10						
Carbon black	1333-86-4				10				
Phthalocyanine green	1328-53-6					3			
Fastona yellow G	2512-29-0						4	8	
Pigment Orange 13	3520-72-7							0.1	

Components Name	CAS No.	Weight Percent (%)							
		Apricot Yellow	Grey	White	Dark Brown	Rose Purple	Sky Blue	Dull Pink	Dark Blue
Magnesium stearate	557-04-0	30	30	30	30	30	30	30	30
Talcum Powder	14807-96-6	37	34	33	27	36.9	32	35	33
(CMC) Cellulose Gum	9004-32-4	15	15	15	15	15	15	15	15
Cere Microcristallina	63231-60-7	15	15	15	15	15	15	15	15
Fastona yellow G	2512-29-0	3							
Titanium dioxide	13463-67-7		5	7	1				
Carbon black	1333-86-4		1		3	0.1			
Iron oxide	1332-37-2				9				
Pigment Red 3	2425-85-6					2		3	
Pigment Violet 23	6358-30-1					1		2	
C.I. Pigment Blue 15	147-14-8						8		2
Phthalocyanine green	1328-53-6								5

4 First aid measures

- .Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
- .Eye:** Flush eyes with plenty of water for a few minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- .Skin:** Flush skin with plenty of water ,while removing contaminated clothing and shoes. Get medical aid
If irritation develops or persists.
- .Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water to emetic. Never give anything by mouth to an unconscious person, Get medical aid.

5 Fire-fighting measures

- .General Information:** As in any fire,wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Non-combustible, substance itself does not burn.
- .Flammable class:** 0
- .Suitable extinguishing media:** Water, CO2, Dry Chemicals, Foam-Fog
- .Fire/Explosion Hazards:** Negligible fire hazard when exposed to heat or flame.

6 Accidental release measures

- .Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- .Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

7 Handling and storage

The regulations relating to storage remises apply to workshop where the product is handled :

- .Handling:** Removal of mobile products need to wear protective gloves when products for the brittle materials, handled with care when handling. Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths, must be worn. Observe all warnings and precautions listed for the product.
- .Storage:** Store in a cool & dry area away from heat sources & protected from light. stored in relatively stable areas, to avoid collision occurred on a hard object. Avoid dust formation.
- .Further information about storage condition:** None.

8 Exposure controls/personal protection

- .Exposure Limits:** Not Established.
- .Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- .Personal Protection:** Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
- .Protective Gloves:** Protective Gloves
- .Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- .Respirators:** Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9 Physical and chemical properties

.General Information	
.Form:	Solid
.Color:	24 Colors
.Odor:	Odorless
.Change in condition	
.Melting point/Melting range:	Not available
.Thermal decomposition point:	Not available
.Self-igniting:	Product is not self-igniting
.Danger of explosion:	Not available
.Density:	
.Relative density:	>1(water=1)
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with	
.Water:	Insoluble
.PH-Value:	Not available

10 Stability and reactivity

- .Chemical Stability:* Stable under normal temperatures and pressures.
- .Decomposition Products:* Thermal decomposition of spicy and Irritating fumes.
- .Materials with which substance is incompatible:* Not available.
- .Hazardous Polymerizations:* Will not occur.
- .Special Remarks on Reactivity:* Not available.

11 Toxicological information

- .Toxicity to Animals:*
LD50: Not available.
LC50: Not available.
- .Special Remarks on Toxicity to Animals:* Not available.
- .Special Remarks on Chronic Effects on Humans:* Not available.
- .Special Remarks on other Toxic Effects on Humans:* Not available.

12 Ecological information

- .Ecotoxicity:* Not available.
- .Products of Biodegradation:* None hazardous short term degradation products are not likely.
- .Water Danger/Protection:* Water hazard class 0 (German Regulation) (Self-assessment): No hazardous for water.

13 Disposal considerations

- Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
- .Waste Disposal Methods:* Disposal must be done as territory and /or local government regulations..Waste management information will help to receive the best results.
- .Disposal of packaging:* Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

14 Transport information

- .DOT Classification:* Not a DOT controlled material (United States).
- .UN Number:* Not available.
- .Packing Group:* Not available.
- .Special Provisions for Transport:* Not applicable.
- .Marine Pollutant:* Not
- .ADR/RID Classification:* Not controlled under ADR(Europe)
- .IMO/IMDG Classification:* Not Controlled under IMDG.
- .ICAO/IATA Classification:* Not controlled under IATA.

15 Regulatory information

US FEDERAL

TSCA: Not listed on the TSCA inventory. It is for research and development use only.

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

Section 313: No chemicals are reportable under Section 313.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

California Prop 65: None of the chemicals in this product are listed.

European/International Regulations

REACH Regulation List of Substances of very high concern (SVHC):None of the ingredients is listed.

16 Other information

The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014-2009.

DISCLAIMER OF LIABILITY

The information in this 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 handing, 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*****The End*****

Safety Data Sheet (SDS)

1 Identification of the substance/preparation and of the company/undertaking

.Product Name: Water Color Cake (24 Colors)
.Manufacturer/Supplier: NINGBO HENGRUI CULTURE AND EDUCATION APPLIANCE CO.,LTD
.Address: No.311 Qixiang North Road, Ninghai, Ningbo, China
.Tel: +86-574-6558 3373
.Fax: +86-574-6559 7373
.E-Mail: vicky.h@chinamutualbenefit.com
.Further information obtainable from: NINGBO HENGRUI CULTURE AND EDUCATION APPLIANCE CO.,LTD
.Emergency Telephone Number: +86-134 8251 2395
.Contact: Vicky

2 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 1; Fire = 0; Reactivity = 0

.Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

.Classification according to GHS: Not applicable.

.Labelling according to Regulation (EC) No 1272/2008: Not applicable.

.Hazard pictograms: Not applicable.

.Potential Health Effects:

.Primary Entry Routes: Swallowed, Inhalation, eye contact.

.Inhalation: Product does not present an inhalation hazard under normal circumstances, If dust is generated in the production or processing, short term exposure to high dust levels could cause respiratory tract irritation, Long term exposure to high Concentrations of dust should be avoided it will cause bronchitis, emphysema and hardening pneumoconiosis.

.Eyes: Dust may cause eye irritation, Direct contact should be avoided to prevent physical damage.

.Skin: No known acute effects of this product resulting from skin contact, but it will irritant the damaged skin and cause inflammation, in light of good industrial hygiene exposure to any chemical should be kept to a minimum.

.Swallowed: The product is not toxic, but harmful if swallowed.

.Potential Chronic Health Effects

.CARCINOGENIC EFFECTS: This material is not a known carcinogen. Classified NONE by NTP, NONE by OSHA, 3 (Not classifiable for humans) by IARC.

.MUTAGENIC EFFECTS: Not available.

.TERATOGENIC EFFECTS: Not available.



3 Composition/information on ingredients

.Description: Mixture of substances listed below with additions.

Components Name	CAS No.	Weight Percent (%)							
		Red	Orange	Pink	Apple Green	Yellow	Khaki	Sky Blue	Red Brown
Calcium Carbonate	471-34-1	85.18	85.18	85.18	85.18	85.18	85.18	85.18	85.18
Malt Dextrin	9004-53-9	10.22	10.22	10.22	10.22	10.22	10.22	10.22	10.22
Potassium sorbate	590-00-1	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
(1.1.3.3.-tetramethylbutyl)phenol	27193-28-8	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Glycerol	56-81-5	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
C.I.Pigment Red 49:1	1103-38-4	2.56		0.56			0.8		0.78
Benzidine orange	3520-72-7		2.56						
C.I.Pigment white 5	1345-05-7			2				1.36	
Phthalocyanine Green	1328-53-6				2				
Benzidine yellow G	5468-75-7				0.56	2.56			
C.I.Renctive yellow 42	12226-63-0						1.2		0.78
C.I.Acid black 24	3071-73-6						0.56		1
C.I.Acid blue 9	2650-18-2							1.2	

Components Name	CAS No.	Weight Percent (%)							
		Grass Green	Violte	Blue	Black	Lemon Yellow	Olive Green	Grey	White
Calcium Carbonate	471-34-1	85.18	85.18	85.18	85.18	85.18	85.18	85.18	85.18
Malt Dextrin	9004-53-9	10.22	10.22	10.22	10.22	10.22	10.22	10.22	10.22
Potassium sorbate	590-00-1	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
(1.1.3.3.-tetramethylbutyl)phenol	27193-28-8	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Glycerol	56-81-5	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
C.I.Acid blue 9	2650-18-2								
Phthalocyanine Green	1328-53-6						1.2		
C.I.Basic violet 11	2390-63-8	0.78	2						
C.I.Acid blue 9	2650-18-2		0.56	2					
C.I.Pigment white 5	1345-05-7			0.56		1		1	2.56
C.I.Acid black 24	3071-73-6				2.56		0.56	1.56	
Benzidine yellow G	5468-75-7	0.78				1.56			
C.I.Renctive yellow 42	12226-63-0						0.8		
Pigment Phthalocyanine Green	1326-53-6	1							

Components Name	CAS No.	Weight Percent (%)							
		Silver grey	Orange Red	Grape Red	Deep Brown	Green	Light Violet	Light Green	Mango Yellow
Calcium Carbonate	471-34-1	85.18	85.18	85.18	85.18	85.18	85.18	85.18	85.18
Malt Dextrin	9004-53-9	10.22	10.22	10.22	10.22	10.22	10.22	10.22	10.22
Potassium sorbate	590-00-1	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
(1.1.3.3.-tetramethylbutyl)phenol	27193-28-8	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Glycerol	56-81-5	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
C.I.Acid black 24	3071-73-6	1			0.78				
C.I.Pigment white 5	1345-05-7	1.56					1.56		
Benzidine orange	3520-72-7		1.56						0.56
C.I.Pigment Red 49:1	1103-38-4		1		1				
Pigment Red 48:4	5280-66-0			1					
C.I.Basic violet 11	2390-63-8			1.56			1		
C.I.Acid blue 9	2650-18-2				0.78	1.28			
Benzidine yellow G	5468-75-7							1.56	2
Phthalocyanine Green	1328-53-6					1.28		1	

4 First aid measures

- .Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
- .Eye:** Flush eyes with plenty of water for a few minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- .Skin:** Flush skin with plenty of water ,while removing contaminated clothing and shoes. Get medical aid
If irritation develops or persists.
- .Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water to emetic. Never give anything by mouth to an unconscious person, Get medical aid.

5 Fire-fighting measures

- .General Information:** As in any fire,wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Non-combustible, substance itself does not burn.
- .Flammable class:** 0
- .Suitable extinguishing media:** Water, CO2, Dry Chemicals, Foam-Fog
- .Fire/Explosion Hazards:** Negligible fire hazard when exposed to heat or flame.

6 Accidental release measures

- .Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- .Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

7 Handling and storage

The regulations relating to storage remises apply to workshop where the product is handled :

.Handling: Removal of mobile products need to wear protective gloves when products for the brittle materials, handled with care when handling. Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths, must be worn. Observe all warnings and precautions listed for the product.

.Storage: Store in a cool & dry area away from heat sources & protected from light. stored in relatively stable areas, to avoid collision occurred on a hard object. Avoid dust formation.

.Further information about storage condition: None.

8 Exposure controls/personal protection

.Exposure Limits: Not Established.

.Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

.Personal Protection: Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

.Protective Gloves: Protective Gloves

.Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

.Respirators: Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9 Physical and chemical properties

.General Information	
.Form:	Solid
.Color:	24 Colors
.Odor:	Odorless
.Change in condition	
.Melting point/Melting range:	>800 °C
.Thermal decomposition point:	Not available
.Self-igniting:	Product is not self-igniting
.Danger of explosion:	Not available
.Density:	
.Relative density:	2.70~2.95(water=1)
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with	
.Water:	Insoluble
.PH-Value:	Not available

10 Stability and reactivity

- .Chemical Stability:* Stable under normal temperatures and pressures.
- .Decomposition Products:* Thermal decomposition of spicy and Irritating fumes.
- .Materials with which substance is incompatible:* Not available.
- .Hazardous Polymerizations:* Will not occur.
- .Special Remarks on Reactivity:* Not available.

11 Toxicological information

- .Toxicity to Animals:*
LD50: >5000mg/kg rat oral.
LC50: Not available.
- .Special Remarks on Toxicity to Animals:* Not available.
- .Special Remarks on Chronic Effects on Humans:* Not available.
- .Special Remarks on other Toxic Effects on Humans:* Not available.

12 Ecological information

- .Ecotoxicity:* Not available.
- .Products of Biodegradation:* None hazardous short term degradation products are not likely.
- .Water Danger/Protection:* Water hazard class 0 (German Regulation) (Self-assessment): No hazardous for water.

13 Disposal considerations

- Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
- .Waste Disposal Methods:* Disposal must be done as territory and /or local government regulations..Waste management information will help to receive the best results.
- .Disposal of packaging:* Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

14 Transport information

- .DOT Classification:* Not a DOT controlled material (United States).
- .UN Number:* Not available.
- .Packing Group:* Not available.
- .Special Provisions for Transport:* Not applicable.
- .Marine Pollutant:* Not
- .ADR/RID Classification:* Not controlled under ADR(Europe)
- .IMO/IMDG Classification:* Not Controlled under IMDG.
- .ICAO/IATA Classification:* Not controlled under IATA.

15 Regulatory information**US FEDERAL**

TSCA: Not listed on the TSCA inventory. It is for research and development use only.

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

Section 313: No chemicals are reportable under Section 313.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

California Prop 65: None of the chemicals in this product are listed.

European/International Regulations

REACH Regulation List of Substances of very high concern (SVHC):None of the ingredients is listed.

16 Other information

The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014-2009.

DISCLAIMER OF LIABILITY

The information in this 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*****The End*****

Safety Data Sheet (SDS)

1 Identification of the substance and of the company

.Product Name: Glue

.Manufacturer/Supplier: NINGBO HENGRUI CULTURE AND EDUCATION APPLICANCE CO.,LTD

.Address: No.311 Qixiang North Road, Ninghai, Ningbo, China

.Tel: +86-574-6558 3373

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2 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 1; Fire = 0; Reactivity = 0

.Classification of the substance or mixture

.Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

.Classification according to GHS : Not applicable.

.Labelling according to Regulation (EC) No 1272/2008: Not applicable.

.Potential Acute Health Effects:

.Routes of Entry: Skin contact, Eye contact, Inhalation, Ingestion.

.Eyes: Direct contact will irritate to eyes.

.Skin: No known acute effects of this product resulting from skin contact. But it will irritate damaged skin causes pain. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

.Inhalation: Negligible at room temperature. Irritating vapors or fume can be irritating to the upper respiratory tract. when the products is processed at high temperatures. Much Inhalation will have nasal irritation, chest tightness, dizziness and other symptoms

.Ingestion: Harmful if swallowed, After swallowing may be accompanied by abdominal pain, diarrhea, nausea, and vomiting.

.Potential Chronic Health Effects:



.CARCINOGENIC EFFECTS: This material is not a carcinogen. Classified NONE by NTP, NONE ,OSHA and by IARC.

.MUTAGENIC EFFECTS: Not available.

.TERATOGENIC EFFECTS: Not available.

3 Composition/information on ingredients

.Description: Mixture of substances listed below with additions.

Components Name	CAS Number	Weight Percent (%)
Distilled water	7732-18-5	90%
Polyvinyl alcohol	9002-89-5	10%

4 First aid measures

.After inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Get medical aid.

.After skin contact: Normally does not need first aid after skin contact, When need flush skin with plenty of water for a few minutes . Get medical aid If irritation or sensitization develops or persists.

.After eye contact: Immediately flush eyes with plenty of water for at few minutes, occasionally lifting the upper and lower eyelids.

.After swallowing: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an Unconscious person. Get medical aid.

5 Fire-fighting measures

.General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Decomposes at high temperatures, resulting in toxic and corrosive products.

Containers may explode when heated.

.Extinguishing Media: CO2, Dry Chemicals, Foam-Fog

.Flash point: Not available

.Special fire & explosion hazards: Fire may Decomposition harmful smoke and gas, Negligible explosion hazard.

6 Accidental release measures

.Small Spill and Leak: Mix absorb leaked material with (sand, diatomite, sawdust) then Cleaning and placed into a suitable container handling.

.Large Spill and Leak: Isolation accident area to prevent the leak products to be contaminated , Dug Pit to gather leaked liquid and then to recycling collection the leak products.

7 Handling and storage

.Handling: Removal of products need to wear protective gloves , handled with care when handling apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene,and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths , must be worn. Observe all warnings and precautions listed for the product.

.Storage: Store in a cool area, Keep container tightly sealed, Keep air contact to a minimum.
Combustible materials should be stored away from extreme heat and away from reactive substances.

8 Exposure controls/personal protection

.Ventilation and Engineering controls: Enhance ventilation,Provide safety shower and eyewash equipment.

.Respiratory Protection: No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard, applicable U.S. State regulations, or the Canadian CSA standard.

.Body Protection: General protective clothing.

.Protective Gloves: Choose rubber or plastic gloves with elbow-length gauntlet.

.Eye Protection: Unnecessary ,When necessary wear chemical goggles or face shield.

9 Physical and chemical properties

.General Information	
.Form:	Liquid
.Color:	Transparent
.Odor:	Slightly odor
.Change in condition	
.Melting point/Melting range:	<0 °C
.Decomposition temperature:	Not available
.Flash point:	Not available
.Danger of explosion:	Product does not present an explosion hazard
.Density:	
.Relative density:	>1 (Water=1)
.Vapor density:	>1 (Air=1)
.Evaporation rate	Not Applicable
.Solubility in/Miscibility with	
.Water:	Soluble
.PH-Value:	6~9
.Viscosity:	
.Dynamic:	Not available

10 Stability and reactivity

- .Chemical Stability:** Stable under normal temperatures and pressures.
- .Solubility:** Soluble in water, ethanol, butyl acetate, acetone and other organic solvents.
- .Hazardous Decomposition Products:** No further relevant information available.
- .Hazardous Polymerization:** Hazardous polymerization will not occur.

11 Toxicological information

- .Toxicity to Animals:**
 - LD50: Not available.
 - LC50: Not available.
- .Potential Acute Health Effects on Humans:** Harmful if swallowed, And may cause eye and skin slight irritation.
- .Other Toxic Effects on Humans:** No further relevant information available.

12 Ecological information

- .Mobility and bioaccumulation potential:** No further relevant information available.
- .Ecotoxic effects:** No further relevant information available.
- .Aquatic toxicity:** No further relevant information available.
- .Environmental Precautions:** It must be disposed of by incineration or in an authorized waste deposit.

13 Disposal considerations

- .Product:** Must be disposed of in accordance with applicable Federal, state and local regulations.
- .Recommendation:** Must not be dispose together with household garbage.
- .Uncleaned packaging:** Recommendation Disposal must be made according to official regulations.

14 Transport information

- .DOT Classification for Bulk Shipments (non bulk shipments may differ):** Not a DOT controlled material (United States).
- .DOT Proper Shipping Name:** Not applicable.
- .UN Number:** Not applicable.
- .Packing Group:** Not applicable.
- .Marine Pollutant:** Not available.
- .Hazardous Substance Reportable Quantity:** Not available.
- .Special Provisions for Transport:** Not applicable.
- .TDG Classification:** Not controlled under TDG (Canada).
- .ADR/RID Classification:** Not controlled under ADR(Europe)
- .IMO/IMDG Classification:** Not Controlled under IMDG
- .ICAO/IATA Classification:** Not controlled under IATA.

15 Regulatory information

.HCS Classification: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

.TSCA inventory: All components are exempted.

.SARA 301/302/303: No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification(Appendix A to Part 355).

.International Regulations

.WHMIS: Not controlled under WHMIS

.DSCL: Not controlled under DSCL

.StateRegulation: No products were found.

.California Prop.65:There are no Proposition 65 chemicals present in this products levels that would require a warning under the California Safe Drinking Water and Toxic Enforcement Act.

.REACH Regulation List of Substances of very high concern (SVHC) : None of the ingredients is listed.

.Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014:2009.

DISCLAIMER OF LIABILITY

The information in this 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 handing, 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*****The End*****