

**68103-1024**

## Material Safety Data Sheet

Date of printing: 09/18/07

Date of revision:

### 1 Chemical product and company Identification

DESCRIPTION: Glitter Glue  
 PRODUCT TYPE:  
 APPLICATION: Stationery

#### Manufacturer/Supplier Information

MSDS Prepared by:

company name Ningbo Shenle Educational Accessory Co.,Ltd

company address Hefeng Village , ZhangqiTown, Cixi City, Zheji

Tel: 0086-574-63754856

Fax: 0086-574-63754857

### 2 Composition, Information on Ingredients

| Chemical Name | Concentration | CAS Number |
|---------------|---------------|------------|
| PVA           | 13%           | 56-81-5    |
| Water         | 68%           | 7732-18-5  |
| CMC           | 3%            | 9004-32-4  |
| Glycerin      | 8%            | 9002-89-5  |
| Glitter       | 8%            | 6242-77-7  |

### 3 Hazards Identification

#### 3.1 Emergency Overview

In case of contact with eyes, rinse immediately with plenty of water and consult physician  
 Ingestion

In case of fire, use water spray

#### HMIS Rating

|              |   |            |
|--------------|---|------------|
| HEALTH       | 1 | 4=severe   |
| FLAMMABILITY | 1 | 3=serious  |
| REACTIVITY   | 0 | 2=moderate |
|              |   | 1=slight   |
|              |   | 0=minimal  |

### 4. First Aid Measures

EYES: Immediately flush eyes with plenty of clean water, holding the eyelids apart and seek medical advice.

SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water.

INHALATION: Obtain medical advical advice if you get sick.

### 5. Fire Fighting Measures

In case of fire,use water sprayer

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## 6. Accidental Release Measures

### Protective measures

Personal: Ventilate the area and avoid breathing the vapours.

Environmental: Do not allow to enter drains. In case of uncontrolled discharge into natural bodies of water or soil inform local authorities

### Procedure for soaking up/cleaning

Contain and soak up spillage with non -combustible material, like sand or diatomaceous earth and place in container for disposal according to local regulations  
Clean preferably with soap or other suitable detergents Do not solvents.

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## 7. Handling and Storage

### 7.1 Handling

Handle in accordance with good industrial hygiene and safety practices.

### 7.2 Storage

Avoid high heat temperature  
Store in a cool, dry place.

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## 8. Exposure Controls/Personal Protection

### 8.1 Exposure Controls

No special control measures necessary under normal conditions of use.

### 8.2 Personal Protection

No special protection necessary.

### 8.3 Exposure Guidelines

None established.

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## 9. Physical and chemical Properties

### 10. Stability and Reactivity

Normally stable as defined in NFPA 704-12 (4-3.1), stabilization ≤ 1.0 years

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#### Conditions to Avoid:

Exposure to heat and flame:

#### Incompatibilities:

Keep away from oxidising agents, strongly alkaline and strongly acid materials

**Hazardous polymerization**

Will not occur.

**Other Hazards:**

None known,

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**11. Toxicological Information**

There are no data available on the preparation itself.

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**12. Ecological Information**

There are no data available on the preparation itself. The product should not be allowed to enter drains and natural bodies of water.

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**13. Disposal Consideration**

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.

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**14. Transport Information****14.1 U.S.: Department of Transportation (DOT)**

NOT REGULATED

**14.2 Canadian Transportation of Dangerous Goods (TDG)**

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NOT REGULATED

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**15. Regulatory information (Selected Regulations)****15.1 U.S.: Federal Regulations**

**SARA Title III: Section 311/312**

Does not meet any hazard category

**16. Other information**

The foregoing information reflects our current knowledge and does not have the purpose of guaranteeing product properties. The users working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instructions.

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*Glue*  
 - 1025  
 68103-1045  
 - 1050  
 - 1051  
 - 1052

## PVA GLUE STICK.(WHITE)

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 Issue Date: 11-Jan-2008  
 NA160TCP

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### Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME**  
 PVA GLUE STICK.(WHITE)

**SUPPLIER**  
 Company: Panline USA, Inc. dba ALEX  
 Address: 251 Union Street  
 Northvale, NJ 07647

#### SYNONYMS

SHJ0039220

### Section 2 - HAZARDS IDENTIFICATION

#### STATEMENT OF HAZARDOUS NATURE

Not considered a dangerous substance according to directive 1999/45/EC and its amendments.

#### HAZARD RATINGS

|              | Min/Nil=0 | Low=1 | Moderate=2 | High=3 | Extreme=4 |
|--------------|-----------|-------|------------|--------|-----------|
| Flammability | ██████    |       |            |        |           |
| Toxicity     | ██████    |       |            |        |           |
| Body Contact | ██████    |       |            |        |           |
| Reactivity   | ██████    |       |            |        |           |
| Chronic      | ██████    |       |            |        |           |

SCALE:      Min/Nil=0      Low=1      Moderate=2      High=3      Extreme=4

#### RISK

None under normal operating conditions.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| NAME                | CAS RN    | INT HAZ | %  |
|---------------------|-----------|---------|----|
| polyvinyl alcohol   | 9002-89-5 | None    | 15 |
| glycerol            | 56-81-5   | None    | 3  |
| EC NO: 200-289-5    |           |         |    |
| stearic acid        | 57-11-4   | None    | 15 |
| EC NO: 200-313-4    |           |         |    |
| water               | 7732-18-5 | None    | 65 |
| EC NO: 231-791-2    |           |         |    |
| allyl phenoxycetate | 7493-74-5 | Xn      | 2  |
| EC NO: 231-335-2    |           |         |    |

R CODES: R21/22

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**Section 4 - FIRST AID MEASURES**

No data for this material.

**Section 5 - FIRE FIGHTING MEASURES**

No data for this material.

**PERSONAL PROTECTION**

Glasses:  
 Gloves:  
 Respirator:  
 Type A- P Filter of sufficient capacity

**Section 6 - ACCIDENTAL RELEASE MEASURES****EMERGENCY RESPONSE PLANNING GUIDELINES (ERPG)**

The maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour WITHOUT experiencing or developing

life-threatening health effects is:

|                   |          |
|-------------------|----------|
| polyvinyl alcohol | 500 mg/m |
| stearic acid      | 15 mg/m  |
| water             | 500 mg/m |

irreversible or other serious effects or symptoms which could impair an individual's ability to take

protective action is:

|                   |          |
|-------------------|----------|
| polyvinyl alcohol | 500 mg/m |
| stearic acid      | 15 mg/m  |
| water             | 500 mg/m |

other than mild, transient adverse effects without perceiving a clearly defined odour is:

|                   |          |
|-------------------|----------|
| polyvinyl alcohol | 125 mg/m |
| stearic acid      | 0.3 mg/m |
| water             | 500 mg/m |

The threshold concentration below which most people will experience no appreciable risk of health effects:

|                   |          |
|-------------------|----------|
| polyvinyl alcohol | 40 mg/m  |
| stearic acid      | 0.1 mg/m |
| water             | 500 mg/m |

American Industrial Hygiene Association (AIHA)

Ingredients considered according to the following cutoffs

|                 |          |               |         |
|-----------------|----------|---------------|---------|
| Very Toxic (T+) | >= 0.1%  | Toxic (T)     | >= 3.0% |
| R50             | >= 0.25% | Corrosive (C) | >= 5.0% |
| R51             | >= 2.5%  |               |         |
| else            | >= 10%   |               |         |

where percentage is percentage of ingredient found in the mixture

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**Section 7 - HANDLING AND STORAGE****PROCEDURE FOR HANDLING**

No data for this material.  
 No data for this material.

**SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS**

+: *May be stored together*  
 O: *May be stored together with specific preventions*  
 X: *Must not be stored together*

**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE CONTROLS**

The following materials had no OELs on our records

- polyvinyl alcohol: CAS:9002- 89- 5 CAS:25213- 24- 5 CAS:54626- 91- 4
- stearic acid: CAS:57- 11- 4
- water: CAS:7732- 18- 5
- allyl phenoxyacetate: CAS:7493- 74- 5

**MATERIAL DATA**

Not available. Refer to individual constituents.

**INGREDIENT DATA**

ALLYL PHENOXYACETATE:

WATER:

No exposure limits set by NOHSC or ACGIH.

**GLYCEROL:**

The mist is considered to be a nuisance particulate which appears to have little adverse effect on the lung and does not produce significant organic disease or toxic effects. OSHA concluded that this limit would protect the worker from kidney damage and perhaps, testicular effects.

**STEARIC ACID:**

Sensory irritants are chemicals that produce temporary and undesirable side-effects on the eyes, nose or throat. Historically occupational exposure standards for these irritants have been based on observation of workers' responses to various airborne concentrations. Present day expectations require that nearly every individual should be protected against even minor sensory irritation and exposure standards are established using uncertainty factors or safety factors of 5 to 10 or more. On occasion animal no-observable-effect-levels (NOEL) are used to determine these limits where human results are unavailable. An additional approach, typically used by the TLV committee (USA) in determining respiratory standards for this group of chemicals, has been to assign ceiling values (TLV C) to rapidly acting irritants and to assign short-term exposure limits (TLV STELs) when the weight of evidence from irritation, bioaccumulation and other endpoints

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**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

combine to warrant such a limit. In contrast the MAK Commission (Germany) uses a five -category system based on intensive odour, local irritation, and elimination half-life. However this system is being replaced to be consistent with the European Union (EU) Scientific Committee for Occupational Exposure Limits (SCOEL); this is more closely allied to that of the USA.

OSHA (USA) concluded that exposure to sensory irritants can:

- cause inflammation
- cause increased susceptibility to other irritants and infectious agents
- lead to permanent injury or dysfunction
- permit greater absorption of hazardous substances and
- acclimate the worker to the irritant warning properties of these substances thus increasing the risk of overexposure.

The stearates have a low order of acute and chronic toxicity. Intratracheal administration of relatively large doses in rats produce varying degrees of pulmonary damage. Acute, gross inhalation exposure has been associated with clinical pneumonitis. A case of "pneumoconiosis with probable heart failure" has been reported in a rubber worker occupationally exposed to zinc stearate dust for 29 years. Several cases of infants developing respiratory distress and in some instances, acute fatal pneumonitis on aspiration of zinc stearate powder, have been reported.

**PERSONAL PROTECTION****RESPIRATOR**

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

| Breathing Zone Level<br>ppm (volume) | Maximum Protection<br>Factor | Half- face Respirator | Full- Face Respirator |
|--------------------------------------|------------------------------|-----------------------|-----------------------|
| 1000                                 | 10                           | A- AUS P              | -                     |
| 1000                                 | 50                           | -                     | A- AUS P              |
| 5000                                 | 50                           | Airline *             | -                     |
| 5000                                 | 100                          | -                     | A- 2 P                |
| 10000                                | 100                          | -                     | A- 3 P                |
|                                      | 100+                         |                       | Airline**             |

\* - Continuous Flow

\*\* - Continuous-flow or positive pressure demand.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult site specific CHEMWATCH data (if available), or your Occupational Health and Safety Advisor.

**ENGINEERING CONTROLS**

No data for this material.

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**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES****PHYSICAL PROPERTIES**

|                                  |  |
|----------------------------------|--|
| Molecular Weight:                | Boiling Range (°C):                    |
| Melting Range (°C):              | Specific Gravity (water=1):            |
| Solubility in water (g/L):       | pH (as supplied):                      |
| pH (1% solution):                | Vapour Pressure (kPa):                 |
| Volatile Component (%vol):       | Evaporation Rate:                      |
| Relative Vapour Density (air=1): | Flash Point (°C):                      |
| Lower Explosive Limit (%):       | Upper Explosive Limit (%):             |
| Autoignition Temp (°C):          | Decomposition Temp (°C): Not available |
| State:                           | Viscosity: Not available               |

**Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION****CONDITIONS CONTRIBUTING TO INSTABILITY**

No data for this material.

**Section 11 - TOXICOLOGICAL INFORMATION****POTENTIAL HEALTH EFFECTS****ACUTE HEALTH EFFECTS****SWALLOWED**

Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

**EYE**

Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

**SKIN**

The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

**INHALED**

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

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**Section 11 - TOXICOLOGICAL INFORMATION****CHRONIC HEALTH EFFECTS****PVA GLUE STICK.(WHITE)****TOXICITY AND IRRITATION**

Not available. Refer to individual constituents.

**POLYVINYL ALCOHOL:**

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

|                                |                   |
|--------------------------------|-------------------|
| <b>TOXICITY</b>                | <b>IRRITATION</b> |
| Oral (rat) LD50: >20, 000mg/kg | Nil Reported      |

Oral (rat) LD50: >10000 mg/kg [Monsanto]

Dermal (rabbit)LD50:>7940 mg/kg[Monsanto]

The substance has been investigated as a Tumorigen.

The substance is classified by IARC as Group 3:

NOT classifiable as to its carcinogenicity to humans.

Evidence of carcinogenicity may be inadequate or limited in animal testing.

**GLYCEROL:**

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

|                 |                   |
|-----------------|-------------------|
| <b>TOXICITY</b> | <b>IRRITATION</b> |
|-----------------|-------------------|

Oral (Rat) LD50: 12600 mg/kg

The material may be irritating to the eye, with prolonged contact causing inflammation.

Repeated or prolonged exposure to irritants may produce conjunctivitis.

The material may cause skin irritation after prolonged or repeated exposure and may

produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis.

**STEARIC ACID:**

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

|                                    |                                    |
|------------------------------------|------------------------------------|
| <b>TOXICITY</b>                    | <b>IRRITATION</b>                  |
| Intravenous (rat) LD50: 21.5 mg/kg | Skin (human): 75 mg/3d- I- Mild    |
| Intravenous (mouse) LD50: 23 mg/kg | Skin (rabbit):500 mg/24h- Moderate |
| Dermal (rabbit) LD50: >5000 mg/kg  |                                    |

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis.

Equivocal tumorigen by RTEC criteria

**WATER:**

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.  
 No significant acute toxicological data identified in literature search.

**ALLYL PHENOXYACETATE:**

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

|                            |                   |
|----------------------------|-------------------|
| <b>TOXICITY</b>            | <b>IRRITATION</b> |
| Oral (rat) LD50: 475 ul/kg | Nil Reported      |

Oral (rat) LD50: 522.5 mg/kg \*

Dermal (rat) LD50: 820 mg/kg

Dermal (rabbit) LD50: 902 mg/kg \*

\* Calculated.

|                 |                   |                |                   |                   |             |
|-----------------|-------------------|----------------|-------------------|-------------------|-------------|
| <b>MATERIAL</b> | <b>CARCINOGEN</b> | <b>MUTAGEN</b> | <b>REPROTOXIN</b> | <b>SENSITISER</b> | <b>SKIN</b> |
|-----------------|-------------------|----------------|-------------------|-------------------|-------------|

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**Section 11 - TOXICOLOGICAL INFORMATION**

polyvinyl alcohol IARC:3

**CARCINOGEN**

IARC: International Agency for Research on Cancer (IARC)  
 Carcinogens: polyvinyl alcohol Category: The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing.

**Section 12 - ECOLOGICAL INFORMATION**

No data for PVA GLUE STICK.(WHITE).  
 Refer to data for ingredients, which follows:

**POLYVINYL ALCOHOL:**

COD: 1800 mg Oxygen/g product  
 BOD5: 0-5% : BOD30: 100%  
 Biodegradability: >90% (Zahn-Wellens Test)  
 Ecotoxicology  
 Fish LC50 (96 h): Bluegill sunfish, *Lepomis macrochirus* >10,000 mg/l  
 Fathead minnow >40000g/l  
 Daphnia magna LC50 (96 h): >8300 g/l

**GLYCEROL:**

|                             |             |
|-----------------------------|-------------|
| Algae IC50 (72hr.) (mg/l):  | 2900- 10000 |
| log Kow (Sangster 1997):    | - 1.76      |
| log Pow (Verschueren 1983): | 1.07692307  |
| BOD5:                       | 51%         |
| COD:                        | 95%         |
| ThOD:                       | 93%         |

DO NOT discharge into sewer or waterways.

log Kow: -2.66- -2.47  
 BOD 5 if unstated: 0.617-0.87,31-51%  
 COD: 1.16,82-95%  
 ThOD: 1.217-1.56  
 Completely biodegradable.  
 Fish LC50: >5000 mg/l  
 Algae IC50: >2900 mg/l  
 Bacteria EC50: .10000 mg/l (*Pseudomonas putida*)

**STEARIC ACID:**

Fish LC50 (96hr.) (mg/l): 14

BOD 5 if unstated: 0.8-1.44,4%  
 COD: 30%  
 Anaerobic effects: sig degrad  
 Potential to bioaccumulate  
 log Pow >7

**Section 13 - DISPOSAL CONSIDERATIONS**

According to the European Waste Catalogue, Waste Codes are not product specific but application specific. Waste Codes should be assigned by the User based on the application in which the product is used.

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**Section 14 - TRANSPORTATION INFORMATION**

HAZCHEM: None

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:ADR, IATA,  
 IMDG

**Section 15 - REGULATORY INFORMATION****RISK**

None under normal operating conditions.

**SAFETY**

| Safety Codes | Safety Phrases           |
|--------------|--------------------------|
| S22          | Do not breathe dust.     |
| S24          | Avoid contact with skin. |

**REGULATIONS**

PVA GLUE STICK.(WHITE) (CAS: None):  
 No regulations applicable

polyvinyl alcohol (CAS: 9002-89-5) is found on the following regulatory lists:  
 European Customs Inventory of Chemical Substances (English)  
 European Union (EU) Inventory of Ingredients used in Cosmetic Products  
 International Agency for Research on Cancer (IARC) Carcinogens  
 OECD Representative List of High Production Volume (HPV) Chemicals

glycerol (CAS: 56-81-5) is found on the following regulatory lists:  
 CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP  
 EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex II Section A: List of authorised monomers and other starting substances  
 EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex III Section A Incomplete list of additives fully harmonised at Community level:  
 European Customs Inventory of Chemical Substances (English)  
 European Inventory of Existing Commercial Substances - EINECS  
 European Union (EU) Inventory of Fragrance Ingredients (Perfume and Aromatic Raw Materials)  
 European Union (EU) Inventory of Ingredients used in Cosmetic Products  
 IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances  
 International Council of Chemical Associations (ICCA) - High Production Volume List  
 OECD Representative List of High Production Volume (HPV) Chemicals  
 UK Workplace Exposure Limits (WELs)

stearic acid (CAS: 57-11-4) is found on the following regulatory lists:  
 EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex II Section A: List of authorised monomers and other starting substances  
 EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex III Section A Incomplete list of additives fully harmonised at Community level:  
 European Customs Inventory of Chemical Substances (English)  
 European Inventory of Existing Commercial Substances - EINECS  
 European Union (EU) Inventory of Fragrance Ingredients (Perfume and Aromatic Raw Materials)  
 European Union (EU) Inventory of Ingredients used in Cosmetic Products  
 International Council of Chemical Associations (ICCA) - High Production Volume List  
 OECD Representative List of High Production Volume (HPV) Chemicals

water (CAS: 7732-18-5) is found on the following regulatory lists:  
 EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex II Section A: List of authorised monomers and other starting substances  
 EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex III Section A Incomplete list of additives fully harmonised at Community level:  
 European Customs Inventory of Chemical Substances (English)  
 European Inventory of Existing Commercial Substances - EINECS  
 European Union (EU) Inventory of Ingredients used in Cosmetic Products  
 OECD Representative List of High Production Volume (HPV) Chemicals

ethyl phenoxycetate (CAS: 7493-74-5) is found on the following regulatory lists:  
 European Customs Inventory of Chemical Substances (English)  
 European Inventory of Existing Commercial Substances - EINECS  
 European Union (EU) Inventory of Fragrance Ingredients (Perfume and Aromatic Raw Materials)  
 European Union (EU) Restrictions on the Marketing and Use of Certain Dangerous Substances and Preparations

No data available for polyvinyl alcohol as CAS: 25213-24-5, CAS: 54826-91-4.

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**Section 15 - REGULATORY INFORMATION**

This safety data sheet is in compliance with the following  
 EU legislation and its adaptations – as far as  
 applicable - : 67/548/EEC, 1999/45/EC, 76/769/EEC,  
 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC, 1999/13/EC,  
 as well as the following British legislation:  
 - The Control of Substances Hazardous to Health  
 Regulations (COSHH) 2002  
 - COSHH Essentials  
 - The Management of Health and Safety at Work  
 Regulations 1999

**Section 16 - OTHER INFORMATION****LIMITED EVIDENCE**

Cumulative effects may result following exposure\*.  
 Limited evidence of a carcinogenic effect\*.  
 Possible skin sensitiser\*.  
 \* (limited evidence).

**RISK****Explanation of risk codes used on this MSDS**

Risk Codes  
 R21/22

Risk Phrases  
 Harmful in contact with skin and if swallowed.

**ANNEX 2: Indications of Danger**

Xn Harmful

**INGREDIENTS WITH MULTIPLE CAS NUMBERS**

| Ingredient Name   | CAS                                     |
|-------------------|---|
| polyvinyl alcohol | 9002- 89- 5, 25213- 24- 5, 54626- 91- 4 |

**EXPOSURE STANDARD FOR MIXTURES**

"Worst Case" computer-aided prediction of spray/ mist or fume/ dust components and concentration:

Composite Exposure Standard for Mixture (TWA) : 100 mg/m<sup>3</sup>.

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Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

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| <b>FOSHAN MASTER TOYS CO., LTD</b>   |                                       |            |              |
|--|---------------------------------------|------------|--------------|
| <b>Material Safety Data Sheet</b>  |                                       |            |              |
| <b>Dough</b>   |                                       |            |              |
| <b>Section 1 - Chemical Product and Company Identification</b>   |                                       |            |              |
| MSDS Name: Dough   |                                       |            |              |
| Company Identification: Foshan Master Toys Co., LTD  |                                       |            |              |
| Address: Wanhe Road, SongXia Industrial District, Nanhai District ,<br>Foshan, Guangdong, China.   |                                       |            |              |
| Tel: 0086--757--85238000   |                                       |            |              |
| Fax: 0086--757--85238816   |                                       |            |              |
| <b>Section 2 - Composition, Information on Ingredients</b>   |                                       |            |              |
| NO.  | Chemical trade-name                   | CAS-number | Formula in % |
| 1  | water                                 |            | 45.00%       |
| 2  | wheat flour                           |            | 50.000%      |
| 3  | essence (citronella oil)              | 8000-29-1  | 0.50%        |
| 4  | pigment                               |            | 0.50%        |
| 5  | white petrolatum                      | 8012-95-1  | 1.50%        |
| 6  | salt                                  |            | 2.40%        |
| 7  | preservative (benzoic acid)           | 532-31-1   | 0.10%        |
| <b>Section 3 - Hazards Identification</b>  |                                       |            |              |
| Appearance:  | colorful, soft                        |            |              |
| Approach:  | eating                                |            |              |
| Potential Health Effects:  | no effects, as the dough is non toxic |            |              |
| <b>Section 4 - First Aid Measures</b>  |                                       |            |              |
| When dough is eated  |                                       |            |              |
| 1. Drink large amount of water, so as to discharge dough out of body as dejecta  |                                       |            |              |
| 2. See the doctor  |                                       |            |              |
| <b>Section 5 - Handling and Storage</b>  |                                       |            |              |
| Storage: To keep material soft, always put back in container after play. Store it in a cool place. Do not mix with water. If necessary water may be added one drop at a time to restore softness.  |                                       |            |              |
| Cleaning: Do not use hot water of cleaning solutions to clean dough from carpets or fabrics. For best results, remove excess and allow compound to dry. Loosen compound with stiff brusd and vacuum clean. If necessary, wansh with gentle soap, cold water and brush. |                                       |            |              |

**Section 6 - Regulatory Information**

Certificate applied: EN71, ASTM-D4236, ASTM-F963, USP51, USP61

**Section 7- Other information**

1. Open the package, knead the dough with hand till it is soft enough.
2. Make every creation as please, and shape different figures, such as animal, flower, bird. And it is more convenient if the moulds are used.
3. Dough gives children hours of modeling fun and helps to develop the creative skills of children.