



## Safety Data Sheet (SDS) Report

Report Number: SHAH00432427

Applicant: Shantou Dihua Trading Co., Ltd.  
No. 71, Hengshan Road, Shantou City, Guangdong, China

### Sample Description:

The sample information was submitted and identified on applicant's behalf to be:

Product Name : Bubble solution  
Application Received : January 13, 2014  
Application Reviewed : August 01, 2014

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### Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of Regulation (EC) No. 1907/2006, Regulation (EC) No 1272/2008, EU Commission Directive 67/548/EEC, 1999/45/EC, for details please refer to attached pages.

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### Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai (Suzhou Branch)

**Anna Wang**  
Regulatory Consultant

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## Bubble solution

Safety Data Sheet (SDS) Conforms to Reg. (EC) No 1907/2006, Reg. (EC) No 1272/2008 and their amendments

SHAH00432427

Version:1.0

### SECTION 1: Identification of the product and the company/undertaking

#### 1.1. Product identifier

Product name: Bubble solution  
Synonyms: None  
Proper shipping name: None  
Other identities: None

#### 1.2. Relevant identified uses of the product and uses advised against

##### 1.2.1. Relevant identified uses

Play by the children as a toy.

##### 1.2.2. Uses advised against

Advise against other uses.

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

Supplier name: Shantou Dihua Trading Co., Ltd.  
Address: No. 71, Hengshan Road, Shantou City, Guangdong, China  
Telephone: 0086- 754-86311626  
**Emergency telephone: 13502719755**  
E-mail: nikko@dihuatoy.com

Importer name:

Address:

Telephone:

E-mail:

#### 1.4. Emergency telephone number

Country	Advisory body	Address	Emergency number
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### SECTION 2: Hazards identification

#### 2.1. Classification of the product

##### Classification according to Directive 1999/45/EC(DPD)

Not considered as dangerous mixture.

##### Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification	Category	Exposure route
Eye Irritation	2	-

##### Other adverse physico-chemical, human health and environmental effects

None

#### 2.2. Label elements

##### Labelling according to Directive 1999/45/EC

Symbol:

None

##### Labelling according to Regulation (EC) No 1272/2008 (CLP)

**Hazard pictogram:**

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**Signal word:** Warning

**Hazard statements:** H319: Causes serious eye irritation.

**Precautionary statements:**

**Prevention:** P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P337+313: If eye irritation persists: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable.

### 3.2. Mixture

1. CAS#	2. EC#	3. Index #	4. REACH #	Name	% w/w	Classification according to (EC) No 1272/2008 (CLP)	Classification according to (EEC) No 67/548 (DSD)
1. 7732-18-5	2. 231-791-2	3. No data available	4. No data available	Water	95.95	Not classified	Not classified
1. 683-10-3	2. 211-669-5	3. No data available	4. No data available	(carboxylatomethyl)dodecylidimethylammonium	2.1	Acute Toxicity category 4;H302 Acute Toxicity category 4;H312 Skin Irritation category 2;H315 Eye damage category 1;H318	Xn; R21/22 Xi; R38 Xi; R41
1. 57-55-6	2. 200-338-0	3. No data available	4. No data available	Propane-1,2-diol	1.1	Not classified	Not classified
1. 9004-62-0	2. -	3. No data available	4. No data available	Hydroxyethyl cellulose	0.35	Skin Irritation category 2;H315 Eye Irritation category 2;H319 STOT SE category 3;H335	Xi; R36/37/38
1. 122-99-6	2. 204-589-7	3. 603-098-00-9	4. No data available	2-phenoxyethanol	0.30	Acute Toxicity category 4;H302 Eye Irritation category 2;H319	Xn; R22 Xi; R36
1. 139-33-3	2. 205-358-3	3. No data available	4. No data available	Disodium dihydrogen ethylenediaminetetraacetate	0.10	Acute Toxicity category 4;H332	Xn; R20
1. 99-76-3	2. 202-785-7	3. No data available	4. No data available	Methyl 4-hydroxybenzoate	0.06	Aquatic Chronic category 3;H412	R52-53
1. 120-47-8	2. 204-399-4	3. No data available	4. No data available	Ethyl 4-hydroxybenzoate	0.016	Not classified	Not classified

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1. CAS#					
2. EC#		Name	% w/w	Classification according to (EC) No 1272/2008 (CLP)	Classification according to (EEC) No 67/548 (DSD)
3. Index #					
4. REACH #					
1. 94-13-3		Propyl 4-hydroxybenzoate	0.008	Not classified	Not classified
2. 202-307-7					
3. No data available					
4. No data available					
1. 4247-02-3		Isobutyl 4-hydroxybenzoate	0.008	Not classified	Not classified
2. 224-208-8					
3. No data available					
4. No data available					
1. 94-26-8		Butyl 4-hydroxybenzoate	0.008	Skin Irritation category 2;H315	Xi; R36/37/38
2. 202-318-7				Eye Irritation category 2;H319	
3. No data available				STOT SE category 3;H335	
4. No data available					

Full text of R-, H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation:** Move victim to fresh air. If not breathing, give artificial respiration. Get medical attention.

**Skin contact:** Immediately wash with plenty of soap and water. Get medical attention if irritation occurs.

**Eye contact:** Immediately flush eyes with running water for at least 20 minutes holding eyelids open. Get medical attention.

**Ingestion:** Do not induce vomiting. Give 1-2 glasses of water to a conscious victim. Never give anything by mouth to an unconscious victim. Get medical attention.

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

##### 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.

##### Ingestion:

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).

##### Skin Contact:

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.

##### Eye:

When applied to the eye(s) of animals, the material produces severe ocular lesions which are present twenty-four hours or more after Instillation.

##### Chronic:

Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Get medical attention and treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

#### 5.2. Special hazards arising from the product

No data available.

#### 5.3. Advice for firefighters

Alert Fire Brigade and tell them location and nature of hazard.

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Wear breathing apparatus plus protective gloves.

Prevent, by any means available, spillage from entering drains or water courses.

Use water delivered as a fine spray to control fire and cool adjacent area.

DO NOT approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location.

Only when safe to do so, remove containers from path of fire.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Wear chemical goggles and chemical resistant gloves.

##### 6.1.2. For emergency responders

Wear breathing apparatus plus protective gloves. Remove ignition sources and provision of sufficient ventilation, evacuate the danger area and consult experts.

#### 6.2. Environmental precautions

Take precautions to prevent entry into waterways, sewers, or surface drainage systems. Dispose according to local or international regulations.

#### 6.3. Methods and material for containment and cleaning up

Use appropriate tools to put the spilled chemicals in suitable container for recovery or disposal.

#### 6.4. Reference to other sections

Refer to Section 8 for Personal Protective Equipment advice.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: plastic. Refer to section 10.

Storage incompatibility: Avoid reaction with strong acid, alkali and oxidizing agents.

#### 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Substance CAS No.	Propane-1,2-diol, total vapour & particulates			
	57-55-6			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Australia	150	474		
Austria				
Belgium				
Canada - Ontario	50	155		
Ireland	150	470		
New Zealand	150 (1)	474		
		10 (1)		
United Kingdom	150	474		

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	Remarks			
New Zealand	(1) particulates only			
Substance	2-Phenoxyethanol			
CAS No.	122-99-6			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Australia				
Austria	20	110	20	110
Belgium				
Canada - Ontario	25	141		
Germany (AGS)	20 (1)	110 (1)	40 (1)(2)	220 (1)(2)
Germany (DFG)	20 (1)	110 (1)	40 (1)(2)	220 (1)(2)
Poland	230			
Switzerland	20	110	40	220
	Remarks			
Germany (AGS)	(1) Inhalable aerosol and vapour (2) 15 minutes reference period			
Germany (DFG)	(1) Inhalable fraction and vapour (2) 15 minutes reference period			

### 8.2. Exposure controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

General Personal Protection: Safety goggles or face shield, chemical resistant gloves, protective clothing and apparatus.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	Transparent
Odour:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Vapour pressure:	No data available
Relative density:	No data available
Water solubility:	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Flammability:	Non-flammable
Upper/lower explosive limits:	No data available
Explosive properties:	No data available

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Oxidising properties:	No data available
Dissociation constants:	No data available
Surface tension:	No data available
Viscosity:	No data available

### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May react with strong acid, alkali, oxidizing agents and incompatible materials.

### 10.2. Chemical stability

Product is considered stable during storage and transportation under normal condition.

### 10.3. Possibility of hazardous reactions

Hazardous reactions may occur if contact with incompatible material.

### 10.4. Conditions to avoid

High temperature, ignition sources (sparks, flames, static), incompatible materials.

### 10.5. Incompatible materials

Strong acid, alkali and oxidizing agents

### 10.6. Hazardous decomposition products

On combustion or thermal decomposition, may emit toxic fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

No data available for the mixture.

## SECTION 12: Ecological information

### 12.1. Aquatic toxicity

No data available for the mixture.

### 12.2. Persistence and degradability

Biodegradation:	No data available
Abiotic degradation:	No data available

### 12.3. Bioaccumulative potential

Bioconcentration factor (BCF):	No data available
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### 12.4. Mobility in soil

Distribution to environmental compartments:	No data available
Adsorption/Desorption:	No data available

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product disposal: refer to specific national regulation.

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Contaminated packaging: contaminated, empty containers must be disposed of as chemical waste.

### SECTION 14: Transport information

Based on available information, the product is not considered as dangerous goods and the UN recommendation on the transport of dangerous goods does not necessarily apply, however, it is highly recommended to get professional advice for appropriate transport.

#### Label required

None

#### Transport information

14.1	UN Number	None
14.2	Shipping name	None
14.3	Road (ADR)	None
	Rail (RID)	None
	Air (ICAO/IATA)	None
	Sea (IMO/IMDG)	None
14.4	ADR-Packing Group:	None
14.5	Environmental Pollutant:	None
	Marine pollutant:	None
14.6	Special Precautions for User	None

#### 14.7. Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

No data available

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

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, Regulation (EC) No 1272/2008, Regulation (EC) No 1907/2006, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC and 1999/13/EC.

##### 15.1.2. International/national regulations

No data available

##### 15.1.3. Regulation for ingredients

None

#### 15.2. Chemical safety assessment

No chemical safety assessment report was provided for this safety data sheet compilation.

### SECTION 16: Other information

#### 16.1 Key literature references and sources for data

- ESIS (European chemical Substances Information System), <http://esis.jrc.ec.europa.eu/>
- Information on Chemicals in ECHA website, <http://echa.europa.eu/information-on-chemicals>
- IFA GESTIS - International limit values for chemical agents - Occupational exposure limits (OELs), [http://www.dguv.de/ifa/en/gestis/limit\\_values/index.jsp](http://www.dguv.de/ifa/en/gestis/limit_values/index.jsp)

#### 16.2 List of relevant hazard statements and risk phrases

R phrase	R37/38: Irritating to respiratory system and skin.
	R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
	R38: Irritating to skin.
	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H phrase	H302: Harmful if swallowed.
	H312: Harmful in contact with skin.
	H332: Harmful if inhaled.



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H315: Causes skin irritation.

H319: Causes serious eye irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

### 16.3 Other

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EUCEN Standards:

EN 16 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

*The information presented in this SDS is based on our current knowledge and available data as of the issue date, and is only intended to describe the product for the purposes of protecting human health and environment from potential hazard. It should not therefore be construed as guaranteeing any specific property of the product.*