Safety Data Sheet

Applicant

Shanghai Chuangshi Industry（Group）Co.,Ltd
No.388 Zhangliantang Road, Qingpu District,
Shanghai CHINA.

Number: SDS1204200001
Date: 2012/04/25

Service Requested

As requested by the applicant of Safety Data Sheet (SDS) according to CLP generation service, for detail report please refer to attachment.

Type of service: Safety Data Sheet (SDS) generation service

Authorized By
On behalf of Intertek Testing Services
Shanghai Limited

Johson Zhang
Director

HOT & COLD GEL BEAD PACK

Material Safety Data Sheet
Apr-25-2012

SDS1204200001
Version No:1

SAFETY DATA SHEET

SECTION 1: Identification of the substance / mixture and of the company / undertaking

1.1. Product Identifier

Product name:	HOT & COLD GEL BEAD PACK
Proper shipping name:	None
Index number:	No data available
Other means of identification:	No data available

1.2. Relevant identified use of the substance or mixture and use advised against

Relevant identified use :	For application after a minor injury to reduce effects such as swelling or bruising.
Use advised against:	No data available

1.3. Details of the supplier of the safety data sheet

Registered company name:	Shanghai Chuangshi Industry(Group)Co.,Ltd
Address:	No.388 Zhangliantang Road, Qingpu District, Shanghai
Telephone:	+86-21-31166566-8818
Fax:	+86 -21-31166568
Email:	milo@shchuangshi.com.cn

Importer:	TheraPearl,LLC
Address:	8106 Stayton Drive. Suite BJessup,MD,USA
Telephone:	301.362.5018
Fax:	301.362.5019
Email:	FAQ@TheraPearl.com

1.4. Emergency telephone number

Association / Organisation:	
Other emergency telephone numbers:	
Other emergency telephone numbers:	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DSD classification:	In case of mixtures, classification has been prepared by following DPD (Directive 1999/45/EC) or CLP (Regulation (EC) No 1272/2008) regulations
DSD classification (additional):	No data available
DPD classification:	•None under normal operating conditions.
CLP classification:	According to CLP no hazard category has been assigned
CLP classification (additional):	No data available

2.2. Label elements

CLP label elements

No data available

Signal word:	No data available
Hazard statement(s):	No data available
Additional Statement(s):	No data available
Supplementary statement(s):	No data available
Precautionary statement(s):	No data available

DSD / DPD label elements

No data available

Relevant risk statements are found in section 2.1

Indication(s) of danger:	No data available
Safety advice:	• None under normal operating conditions.

2.3. Other hazards

No data available

PBT/vPvB criteria	No data available

SECTION 3: Composition / information on ingredients

3.1. Substances

See 'Composition on ingredients' in section 3.2

3.2. Mixtures

1. CAS No 2. EC No 3. Index No 4. REACH No	%[weight]	Name	Classification according to Directive 1999/45/EC [DPD]		Classification according to (EC) No 1272/2008 [CLP]
1. 7732-18-5 2. 231-791-2 3. No data available 4. No data available	45-60	water			According to CLP no hazard category has been assigned
1. 56-81-5* 2. 200-289-5 3. No data available 4. No data available	35-45	glycerol			• Acute Toxicity Category 5
1. 9003-04-7 2. No data available 3. No data available 4. No data available	5-10	sodium polyacrylate	Xi	R36	• Eye Irritation Category 2

SECTION 4: First aid measures

4.1. Description of first aid measures

General: No data available

Ingestion:

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Eye Contact: If this product comes in contact with eyes:

- Wash out immediately with water.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact: If skin or hair contact occurs:

- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

Inhalation:

- If fumes, aerosols or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

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.

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.

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: • 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).

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.

On the basis, primarily, of animal experiments, concern has been expressed by at least one classification body that the material may produce carcinogenic or mutagenic effects; in respect of the available information, however, there presently exists inadequate data for making a satisfactory assessment.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility:	None known.

5.3. Advice for firefighters

Fire Fighting:

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves in the event of a fire.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use fire fighting procedures suitable for surrounding area.

Fire/Explosion Hazard:

- Non combustible.
- Not considered a significant fire risk, however containers may burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal Protective Equipment:	Glasses: Chemical goggles.	Gloves: When handling larger quantities:

Minor Spills:

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Control personal contact with the substance, by using protective equipment.
- Contain and absorb spill with sand, earth, inert material or vermiculite.

Major Spills:

Minor hazard.

- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.
- Control personal contact with the substance, by using protective equipment as required.
- Prevent spillage from entering drains or water ways.

6.2. Environmental precautions

Not applicable

6.3. Methods and material for containment and cleaning up

Not applicable

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the MSDS

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Safe handling

- Limit all unnecessary personal contact.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Avoid contact with incompatible materials.

Fire and explosion protection	See section 5

Other information

Not applicable

7.2. Conditions for safe storage, including any incompatibilities

Suitable container:

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

Storage incompatibility:	Avoid contamination of water, foodstuffs, feed or seed. None known
Package Material Incompatibilities:	No data available

7.3. Specific end use(s)

See section 1.2

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Derived No Effect Level (DNEL)

Exposure Pattern	Workers	General Population	Exposure Pattern	Workers	General Population
Long term - dermal, systemic effects	No data available	No data available	**Short term - dermal, systemic effects**	No data available	No data available
Long term - inhalation			**Short term - inhalation**		

Long term - inhalation, systemic effects	No data available	No data available	**Short term - inhalation, systemic effects**	No data available	No data available
Long term - oral, systemic effects	No data available	No data available	**Short term - oral, systemic effects**	No data available	No data available
Long term - dermal, local effects	No data available	No data available	**Short term - dermal, local effects**	No data available	No data available
Long term - inhalation, local effects	No data available	No data available	**Short term - inhalation, local effects**	No data available	No data available

Occupational Exposure Limits (OEL)

Source	Material	TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³	Peak ppm	Peak mg/m³	TWA F/CC	Notes
UK Workplace Exposure Limits (WELs)	glycerol (Glycerol, mist)		10						

The following materials had no OELs on our records

- water: CAS:7732-18-5
- sodium polyacrylate: CAS:9003-04-7

Not applicable

Not applicable

8.2. Exposure controls

8.2.1. Appropriate engineering 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.

8.2.2. Personal protection

Eye and face protection:	• Safety glasses with side shields • Chemical goggles. • Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]
Skin protection:	See Hand protection: below
Hand protection:	Wear general protective gloves, eg. light weight rubber gloves. Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: • frequency and duration of contact, • chemical resistance of glove material, • glove thickness and • dexterity
Body protection:	See Other protection: below
Other protection:	No special equipment needed when handling small quantities. **OTHERWISE:** • Overalls. • Barrier cream. • Eyewash unit.
Respiratory protection:	No data available
Thermal hazards:	No data available
Recommended material(s):	Not applicable

8.2.3. Environmental exposure controls

See section 12

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	No data available
Odour	No data available
Odour threshold	No data available
Taste	No data available
pH (1% solution)	Not Available

pH (as supplied)	Not Available
Melting point / freezing point (°C)	Not Available
Initial boiling point and boiling range (°C)	Not Available
Flash point (°C)	Not Available
Evaporation rate	Not Available
Flammability	No data available
Vapour pressure (kPa)	Not Available
Vapour density (Air = 1)	Not Available
Relative density (Water = 1)	Not Available
Solubility in Water (g/L)	Not Available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature (°C)	Not Available
Critical temperature (°C)	Not Available
Viscosity (cSt)	Not Available
Explosive properties	No data available
Oxidising properties	No data available
Physical state	Liquid
Upper Explosive Limit (%)	Not Available
Lower Explosive Limit (%)	Not Available
Surface Tension	No data available
Volatile Component (%vol)	Not Available
Gas group	No data available
Molecular weight (g/mol)	Not Available
Evaporation Rate (BuAc = 1 | EtAc = 1 | Ether = 1)	Not Available
IUCLID Remarks	No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1.	**Reactivity**	See section 7.2
10.2.	**Chemical stability**	¦ Product is considered stable and hazardous polymerisation will not occur.
10.3.	**Possibility of hazardous reactions**	See section 7.2
10.4.	**Conditions to avoid**	See section 7.2
10.5.	**Incompatible materials**	See section 7.2
10.6.	**Hazardous decomposition products**	See section 5.3

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Mutagenicity:	No data available
Reproductive Toxicity:	No data available
Carcinogenicity:	No data available
STOT - single exposure:	No data available

No significant acute toxicological data identified in literature search. None assigned. Refer to individual constituents. unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances. The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.The material may produce severe 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) thickening of the epidermis.<.

SECTION 12: Ecological information

12.1. Toxicity

Fish:	No data available
Daphnia Magna:	No data available
Algae:	No data available
Toxic to aquatic micro-organisms:	No data available

DO NOT discharge into sewer or waterways.

12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
HOT & COLD GEL BEAD PACK	No Data Available	No Data Available
glycerol	LOW	No Data Available
sodium polyacrylate	No Data Available	No Data Available

12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
glycerol	LOW

12.4. Mobility in soil

Ingredient	Mobility
glycerol	HIGH (ESTIMATED)

12.5. Results of PBT and vPvB assessment

	P	B	T
Relevant available data	No data available	No data available	No data available
PBT and vPvB Criteria fulfilled?	No data available	No data available	No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product / Packaging disposal:

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction

- **DO NOT** allow wash water from cleaning or process equipment to enter drains.
- It may be necessary to collect all wash water for treatment before disposal.
- In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
- Where in doubt contact the responsible authority.

- Recycle wherever possible.
- Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
- Dispose of by: burial in a land-fill specifically licenced to accept chemical and / or pharmaceutical wastes or incineration in a licenced apparatus (after admixture with suitable combustible material).
- Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

Waste treatment options:

Sewage disposal options: No relevant data

Other disposal recommendations:

SECTION 14: Transport information

Labels Required: No data available

Land transport (ADR / RID / GGVSE)

No data available

14.1. UN number	No data available	**14.4. Packing group**	No data available
14.2. UN proper shipping name	No data available	**14.5. Environmental hazard**	No relevant data
14.3. Transport hazard class(es)	No data available	**14.6. Special precautions for user**	Hazard identification (Kemler): No data available Classification Code: No data available Hazard Label: No data available Special provisions: No data available Add limited quantity: No data available

No data available

Air transport (ICAO-IATA / DGR)

No data available

14.1. UN number	No data available	**14.4. Packing group**	No data available
14.2. UN proper shipping name	No data available	**14.5. Environmental hazard**	No relevant data
14.3. Transport hazard class(es)	ICAO/IATA Class: No data available ICAO/IATA Subrisk: No data available ERG Code: No data available	**14.6. Special precautions for user**	Special provisions: No data available Cargo Only Packing Instructions: No data available Cargo Only Maximum Qty / Pack: No data available Passenger and Cargo Packing Instructions: No data available Passenger and Cargo Maximum Qty / Pack: No data available Passenger and Cargo Limited Quantity Packing Instructions: No data available Passenger and Cargo Maximum Qty / Pack: No data available

No data available

Sea transport (IMDG-Code / GGVSee)

No data available

14.1. UN number	No data available	**14.4. Packing group**	No data available
14.2. UN proper shipping name	No data available	**14.5. Environmental hazard**	No relevant data
14.3. Transport hazard		**14.6. Special precautions for**	EMS Number: No data available

class(es)	No data available	**IMDG Subrisk**	No data available	**user**	Special provisions	No data available
					Limited Quantities	No data available

No data available

Inland waterways transport (ADNR / River Rhine)

No data available

14.1. UN number	No data available			**14.4. Packing group**	No data available	
14.2. UN proper shipping name	No data available			**14.5. Environmental hazard**	No relevant data	
14.3. Transport hazard class(es)	No data available	**ADNR Label**	No data available	**14.6. Special precautions for user**	Classification code	No data available
					Limited quantity	No data available
					Equipment required	No data available
					Fire cones number	No data available

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

Regulations for ingredients

water (CAS: 7732-18-5) is found on the following regulatory lists;

"EU REACH Regulation (EC) No 1907/2006 - Annex IV - Exemptions from the Obligation to Register in Accordance with Article 2(7)(a) (English)", "European Customs Inventory of Chemical Substances (English)", "European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)", "European Union (EU) Inventory of Ingredients used in Cosmetic Products", "IMO IBC Code Chapter 18: List of products to which the Code does not apply", "OSPAR National List of Candidates for Substitution – Norway"

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", "European Chemicals Agency (ECHA) List of substances identified for registration in 2010", "European Customs Inventory of Chemical Substances (English)", "European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)", "European Union (EU) Inventory of Fragrance Ingredients (Perfume and Aromatic Raw Materials)", "European Union (EU) Inventory of Ingredients used in Cosmetic Products", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO IBC Code Chapter 18: List of products to which the Code does not apply", "IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances", "International Council of Chemical Associations (ICCA) - High Production Volume List", "UK The Environmental Protection (Prescribed Processes and Substances) Regulations 1991 - Release into Air Prescribed Substances", "UK The Environmental Protection (Prescribed Processes and Substances) Regulations 1991 - Release into Land Prescribed Substances", "UK Workplace Exposure Limits (WELs)"

sodium polyacrylate (CAS: 9003-04-7) is found on the following regulatory lists;

"European Union (EU) Inventory of Ingredients used in Cosmetic Products", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "OSPAR National List of Candidates for Substitution – Norway", "UK The Environmental Protection (Prescribed Processes and Substances) Regulations 1991 - Release into Air Prescribed Substances"

No data for HOT & COLD GEL BEAD PACK

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, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC, 1999/13/EC, Regulation (EU) No 453/2010, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008, and their amendments 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

15.2. Chemical safety assessment

No data available

Annex VI

According to CLP no hazard category has been assigned

RISK

•None under normal operating conditions.

SECTION 16: Other information

ANNEX 2: Indications of Danger

Xi	Irritant

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/m³.

OTHER

- The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.
- For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 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

Issue Date: 25-Apr-2012