

Safety data sheet
Regulation(EC) No. 1907/2006, 1272/2008

Printing date 08.03.2012

Revision: 07.03.2012

SDS Report

No. SHAEC1202336001

Date: Mar. 8, 2012

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Shanghai Bingfan Industrial CO.,LTD.
 No.1 Building, No.6196 Yanggao South Road, Shanghai

SGS Ref. No. : SP12004912-SH
 Sample Name : hot cold pack/ICE PACK
 End Uses : Physical cooling
 Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/Information on ingredients* on the SDS report
 Job Receiving Date : Feb.29, 2012
 Last Information Date : Mar.01, 2012
 SDS Preparation Period : Feb.29-Mar.08, 2012

Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives 67/548/EEC, 1999/45/EC, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 453/2010, and is provided per attached.

Signed for and on behalf of
 SGS-CSTC Chemical Laboratory

 Lindy Liu
 Lab Manager

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

- **Product identifier**
- **Trade name:** hot cold pack/ICE PACK
- **Article number:** Data not available
- **Registration number:** Data not available
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance/ the preparation:** Physical cooling
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Shanghai Bingfan Industrial CO.,LTD.
 No.1 Building, No.6196 Yanggao South Road, Shanghai
 Tel: 021-20929327
 Fax: 021-20929330
- **Only Representative / other EU contact point**
 Do not plan to export to European Union. European Union Member State contact not available.
- **Further information obtainable from:** Shanghai Bingfan Industrial CO.,LTD.
- **Emergency telephone number:**
 Gui fang Tong
 Mobile phone: 13524919376
- **Email:** shbingfan@163.com
- **Reference number:** SP12004912-SH; SHAEC1202336001
- **Remark:** This SDS is created for gel content of the product.

2 Hazards identification

- **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 Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
- **Hazard-determining components of labelling:** Not applicable
- **Hazard statements**
 Contains MAPCH GLP PRESERVATIVE. May produce an allergic reaction.
 Safety data sheet available on request.
- **Precautionary statements** Not applicable
- **Other hazards** Not applicable
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
 Mixture: consisting of the following components.
 For the wording of the listed risk phrases refer to section 16.

· **Dangerous components:**

CAS: 56-81-5	glycerol	23,0%
EINECS: 200-289-5	substance with a Community workplace exposure limit	

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MAPCH GLP PRESERVATIVE		(0,2%)
⚠ Xn R22; ⚠ Xi R38-41; ⚠ Xi R43; ⚠ N R51 ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317		
Non-dangerous component:		
CAS: 7732-18-5	water	74,8%
EINECS: 231-791-2		
CAS: 9004-32-4	Carboxymethylcellulose Sodium	2,0%

· **Remark:** MAPCH GLP PRESERVATIVE is a mixture and its classification is provided by client

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse mouth with water.
Never give anything by mouth to an unconscious person.
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with skin and eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with skin and eyes.
- **Information about fire - and explosion protection:** Normal measures for preventive fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

· **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 glycerol

MAK (Germany)	50E mg/m ³ vgl.Abschn.Xc
WEL (Great Britain)	10 mg/m ³
VME (France)	10 mg/m ³

- **DNELs:** Data not available
- **PNECs:** Data not available
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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

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· Penetration time of glove material:

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

· Eye protection:

Tightly sealed goggles

9 Physical and chemical properties**· Information on basic physical and chemical properties****· General Information**

Appearance:	Gel
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Data not available.

· pH-value:	Data not available.
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· Change in condition

Melting point/Melting range:	Data not available.
Boiling point/Boiling range:	Data not available
Freezing point:	Data not available

· Flash point:	Data not available
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· Flammability (solid, gaseous):	Data not available
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· auto-Ignition temperature:	Data not available
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· Decomposition temperature:	Date not available.
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· Self-igniting:	Product is not selfigniting.
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· Danger of explosion:	Product does not present an explosion hazard.
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· Explosion limits:

Lower:	Data not available.
Upper:	Data not available.

· Oxidizing properties	Data not available.
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· Vapour pressure:	Data not available.
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· Density:	Data not available.
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· Relative density	Data not available.
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· Vapour density	Data not available.
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· Evaporation rate	Data not available.
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· Solubility in / Miscibility with water:	Data not available
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· Partition coefficient (n-octanol/water):	Data not available.
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· Viscosity:

Dynamic:	Data not available.
Kinematic:	Data not available.
· Other information	Data not available

10 Stability and reactivity

- Reactivity** No decomposition if used according to specification.

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- Chemical stability** Stable under recommended storage conditions.
- Possibility of hazardous reactions** No dangerous reactions known.
- Conditions to avoid** No further relevant information available.
- Incompatible materials:** No further relevant information available.
- Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects**
- Acute toxicity:**

· LD/LC50 values relevant for classification:**9004-32-4 Carboxymethylcellulose Sodium**

Oral	LD50	> 27000 mg/kg (mouse)
		27000 mg/kg (rat)
		> 27000 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

· Primary irritant effect:

- on the skin:** Irritating effect possible.
- on the eye:** Irritating effect possible.
- Sensitization:** Sensitization possible.
- Toxicokinetics, metabolism and distribution** No further relevant information available.
- Acute effects (acute toxicity, irritation and corrosivity)** No further relevant information available.
- Repeated dose toxicity** No further relevant information available.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** No further relevant information available

12 Ecological information

- Toxicity**
- Aquatic toxicity:** No further relevant information available.
- Persistence and degradability** No further relevant information available.
- Behaviour in environmental systems:**
- Bioaccumulative potential** No further relevant information available.
- Mobility in soil** No further relevant information available.
- Additional ecological information:**
- General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment**
- PBT:** Not applicable.
- vPvB:** Not applicable.
- Other adverse effects** No further relevant information available.

13 Disposal considerations

- Waste treatment methods**
- Recommendation** Smaller quantities can be disposed of with household waste.

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

14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** Not applicable
- **UN proper shipping name**
- **ADR, IMDG, IATA** Not applicable
- **Transport hazard class(es)**
- **ADR, IMDG, IATA**
- **Class** Not applicable
- **Packing group**
- **ADR, IMDG, IATA** Not applicable
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

56-81-5 glycerol

9004-32-4 Carboxymethylcellulose Sodium

7732-18-5 water

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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- **NTP (National Toxicology Program)**
- None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**
- None of the ingredients is listed.
- **MAK (German Maximum Workplace Concentration)**
- None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
- None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
- None of the ingredients is listed.

· **National regulations:**

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**

· **Candidate List of Substances of very high concern (SVHC) according to ECHA (19/12/2011)**

None of the ingredients is listed.

· **REACH Regulation Annex XVII Restriction(9/2/2012)**

None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorization List(15/2/2012)**

None of the ingredients is listed.

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

16 Other information· **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R51 Toxic to aquatic organisms.

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1272/2008, REGULATION (EC) No 1907/2006, Regulation (EU) No 453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.

DISCLAIMER OF LIABILITY

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

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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

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