MATERIAL SAFETY DATA SHEET
HOT COLD PACKS

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Manufacturer Company: Shang Hai Yi Shun Ice Pack Co, Ltd,
1.2 Manufacturer Address: No.6 Building, No. 1456 Xintanwa Road, Shanghai, China
1.3 Manufacturer Telephone: 86-21-58156433/34/35/36/37/38 ext.812
1.4 Manufacturer Email: export_icepack@yishun.cn
1.5 EU Contact: Shanghai International Holding Corp.GmbH (Europe),
1.6 EU Address: Eiffestrabe 80 20537 Hamburg, Germany
1.7 EU Telephone: +49 402513175.
1.8 EU Email: shholding@hotmail.com
1.9 Emergency Phone Number: +86 - 18017266392
1.10 GHS Product Identifier: Hot cold gel pack/gel belt/ insole
1.11 Reference Number: SP17-016196-SH; SHAEC1709259801
1.12 Recommended use: Reusable hot/cold therapy pack to help soothe muscular discomfort and help to reduce swelling and bruising.

2. HAZARD IDENTIFICATION

2.1 GHS Classification: Regulation (EC) No. 1272/2008, GHS07. Skin Sens. 1 H317. May cause an allergic skin reaction. This product is classified and labelled according to the CLP regulation.
2.2 GHS Label Elements:
2.2.1 Signal word: Warning
2.2.2 Hazard class: Regulation (EC) No. 1272/2008


GHS07

2.2.3 Hazard pictograms:
2.2.4 Hazard-determining components of labelling: Mixture of: 5-Chloro-2-methyl-3 (2H)-isothiazolone (CIT) (CAS No.26172-55-4) with 2-Methyl-3 (2H)-isothiazolone (MIT) (CAS No.2682-20-3) (3:1)
2.2.5 Hazard Statement: H317 May cause an allergic skin reaction.
2.2.6 Precautionary Statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Red label before use.
P261 Avoid breathing dust, fumes, gas, mist, vapours, spray.
P280 Wear protective gloves.
P321 Specific treatment (see on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/treatment.

P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/container in accordance with local, regional, national, international regulations.

2.3 Other hazards:
PBT: N/A
vPvB: N/A

3. INFORMATION ON INGREDIENTS

Mixtures Description: For the wording of the listed hazard statements refer to Section 16.
Mixture of the substances listed below with nonhazardous additions.

Composition:		
CAS: 7732-18-5 *EINECS: 231-791-2*	*Water*	*84.978%*
CAS: 56-81-5 *EINECS: 200-289-5*	*glycerol* *substance with a Community workplace exposure limit*	*10.000%*
CAS: 9004-32-4	*carboxymethyl cellulose, sodium salt*	*5.000%*
CAS: 55965-84-9 *Index number: 613-167-00-5*	*Mixture of: 5-Chloro-2-methyl-3(2H)-isothiazolone (CIT) (CAS No.26172-55-4) with 2-Methyl-3(2H)-isothiazolone (MIT) (CAS No.2682-20-4) (3:1)* *Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317*	*0.020%*
CAS: 482-89-3 *EINECS: 207-586-9*	*Indigo* *STOT RE 2, H373*	*0.002%*

4. FIRST AID MEASURES

4.1 Description of necessary first aid measures

4.1.2 Inhalation: Supply fresh air; consult doctor in case of complaints.

4.1.3 Skin Contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

4.1.4 Eye Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

4.1.5 Ingestion: If symptoms persist, consult a doctor.

4.2 Most important symptoms/effect, acute and delayed: N/A

4.3 Indication of immediate medical attention and special treatment needed, if necessary: N/A

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

5.1.1 Suitable extinguishing media: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Specific hazards arising from the mixture: No further relevant information available.

5.3 Special protective equipment and precautions for fire fighters:

5.3.1 Special protective equipment: Mouth respiratory protective device. Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

- Ensure adequate ventilation.
- Use respiratory protective device against the effects of fumes/dust/aerosol.
- Avoid contact with eyes.
- Avoid contact with skin.

6.2 Environmental precautions:

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

6.3 Methods and materials 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.

6.4 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.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

7.1.1 Handling:

- Ensure good ventilation/exhaustion at the workplace.
- Avoid contact with eyes and skin.
- Prevent formation of aerosols.
- For the general occupational hygienic measures refer to section 8.
- Avoid long exposure to heat.
- Keep away from direct sunlight.

7.1.2 Information about fire and explosion protection: Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Store away from food.
Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

7.3 Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROL/PPE

Control Parameters

Ingredients with limit values that require monitoring at the workplace: 56-81-5 glycerol (10.000%)	
AGW (Germany	Long-term value: 200 E mg/m^3 2 (I);DFG, Y
VME (France)	Long-term value: 10mg/ m^3
WEL (Great Britain)	Long-term value: 10mg/ m^3
55965-84-9 Mixture of: 5-Chloro-2-methyl-3 (2H)-isothiazolone (CIT) (CAS No.26172-55-4) with 2-Methyl-3(2H)-isothiazolone (MIT) (CAS No.2682-20-4) (3:1) (0.020%)	
MAK (Germany)	Long-term value: 0.2E mg/ m^3

	Vgl.Abschn.Xc

DNELs: Data not available
PNECs: Data not available

Additional information: The lists were valid during the making were used as a basis.

8.1 Exposure Controls: Based on the composition shown in section 3, the following measures re suggested for occupational safety measure.
8.2 Appropriate Engineering Controls:
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid close or long-term contact with the skin.
- See section 7 for information about design of technical facilities.

8.3 Personal Protective Equipment:
8.3.1 Protection of hands:
Protective gloves: The glove material has to be impermeable and resistant to the product, the substance and the preparation. Due to missing tests no recommendation to the glove material can be given for the product, the preparation or the chemical mixture.
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 therefore has to be checked prior to the application.
Penetration 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
8.3.2 Eye protection: Tightly sealed goggles.
8.3.3 Respiratory Protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device with independent circulating air.
8.3.4 Environmental exposure controls: Control measures must be made in accordance with community environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance (physical state, colour, etc.): Blue Gel.
9.2 Odour: Odourless.
9.3 Odour threshold: No information found.
9.4 pH: No information found.
9.5 Melting point/freezing point: No information found.
9.6 Initial boiling point and boiling range: No information found.
9.7 Flash point: No information found.
9.8 Evaporation rate: No information found.
9.9 Flammability (solid, gas): No information found.
9.10 Upper/lower flammability or explosive limits: Product does not present an explosion hazard.
9.11 Vapour pressure: No information found.
9.12 Vapour density: 2.07 (Air=1)
9.13 Relative density: No information found.

9.14 Solubility (ies): Easily soluble in cold water, hot water.
9.15 Partition coefficient - n-octanol/water: No information found.
9.18 Viscosity: No information found.

10.STABILITY AND REACTIVITY

10.1 Reactivity: No decomposition if used according to specifications.
10.2 Chemical Stability: Stable under recommended storage conditions.
10.3 Possibility of Hazardous Reactions: No dangerous reactions known.
10.4 Conditions to Avoid: No further relevant information available.
10.5 Incompatible Materials: No further relevant information available.
10.6 Hazardous Decomposition Products: No dangerous decomposition products known.

11.TOXOLOGICAL INFORMATION

11.1 Acute Toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification: **55965-84-9 Mixture of: 5-Chloro-2-methyl-3(2H)-isothiazolone (CIT) (CAS No.26172-55-4) with 2-methyl-3(2H)-isothiazolone (MIT) (CAS No.2682-20-4) (3:1)**		
Oral	LD50	60 mg/kg (mouse) 53 mg/kg (rat)
9004-32-4 carboxymethyl cellulose, sodium salt		
Oral Dermal	LD50 LD50	27000 mg/kg (rat) >2000 mg/kg (rabbit)
56-81-5 glycerol		
Oral	LD50	4090 mg/kg (mouse) 12600 mg/kg (rat) 27000 mg/kg (rabbit)
7732-18-5 Water		
Oral	LD50	>90000 mg/kg (rat)

11.3.1 Skin corrosion/irritation: Based on available data, the classification criteria are not met.
11.3.2 Serious eye damage/irritation: Based on available data, the classification criteria are not met.
11.3.3 Respiratory or skin sensitisation: May cause an allergic skin reaction.
11.3.4 Germ cell mutagenicity: Based on available data, the classification criteria are not met.
11.3.5 Reproductive toxicity: Based on available data, the classification criteria are not met.
11.3.6 STOT-single exposure: Based on available data, the classification criteria are not met.
11.3.7 STOT-repeated exposure: Based on available data, the classification criteria are not met.
11.3.8 Aspiration hazard: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1 Toxicity - Acute/Chronic Toxicity: Not available.

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulation: No further relevant information available.

12.4 Mobility in Soil: Not available.

12.5 Other adverse effects: Not available.

12.6 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.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods recommendation: Must not be disposed together with household waste. Do not allow product to reach sewage system.

13.2 Contaminated packaging recommendation: Disposal must be made according to official regulations.

14.TRANSPORT INFORMATION

14.1 UN Number (ADR, RID, ADN, IMDG, IATA): Not applicable.

14.2 UN proper shipping name (ADR, RID, ADN, IMDG, IATA): Not applicable.

14.3 Transport hazard class (ADR, RID, ADN, IMDG, IATA): Not applicable.

14.4 Packing group (ADR, RID, ADN, IMDG, IATA): Not applicable.

14.5 Environmental Hazards: Refer to section 12.1.

14.6 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

14.7 Special precautions for user: Not applicable.

15.REGULATORY INFORMATION

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

15.1.2 Directive 2012/18/EU

Named dangerous substances – ANNEX I None of the ingredients are listed

National regulations: Water hazard class: Water hazard class 1 (self assessment): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations.

15.1.3 SVHC Candidate list of REACH Regulation Annex XIV Authorisation (12/1/2017): None of the ingredients are listed.

15.1.4 REACH Regulation Annex XVII Restriction (3/2/2017): See section 16 for information about restriction use.

15.1.5 REACH Regulation Annex XIV Authorisation List (14/8/2014): None of the ingredients are listed.

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

Relevant hazard statements:

H301 Toxic if swallowed

H311 Toxic if in contact with skin.

H314 Causes severe skins burns and eye damage.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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· ***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)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Sens. 1: Skin sensitisation – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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