

SDS Report

No. SHATY1118690501

Date: Nov. 29, 2011

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Shanghai Chuangshi Industry Co., Ltd
5F, B Block, No.168 Luoyang Road, Minhang District, Shanghai

SGS Ref. No. : SHTY111100018819
Sample Name : Gel Mat
End Uses : Home textile, feeling of cool
Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Nov.21, 2011
Last Information Date : Nov.22, 2011
SDS Preparation Period : Nov.21~29, 2011

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 (EU) No 453/2010 and Regulation (EC) No 1272/2008, and is provided per attached.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory

Lindy Liu

Lindy Liu
Lab Manager

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Safety Data Sheet

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

Printing date 28.11.2011

Revision: 28.11.2011

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

- **Product identifier**
- **Trade name:** *Gel Mat*
- **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:** *Home textile, feeling of cool*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
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5F, B Block, No.168 Luoyang Road, Minhang District, Shanghai
Tel: 51095808-835
Fax: 64538990
- **Only Representative/ other EU contact point:**
Shanghai International Holding Corp. GmbH (Europe)
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- **Further information obtainable from:** *Shanghai Chuangshi Industry Co., Ltd*
- **Emergency telephone number:**
Yang Jinni
Mobile Phone: 13641948158
- **Email:** *Amily@shchuangshi.com.cn*
- **Reference Number:** *SHTY111100018819; SHATY1118690501*

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**
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.

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· Dangerous components:		
CAS: 9003-05-8	Polyacrylamide ⚠ Acute Tox. 4, H302	10-20%
CAS: 860-22-0 EINECS: 212-728-8	disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate ⚠ Acute Tox. 4, H302 ⚠ Acute Tox. 4, H302	0,001-0,005%
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) ☠ T R23/24/25; ☠ C R34; ☠ Xi R43; ☠ N R50/53 ⚠ 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	0,1-0,2%
· Non-dangerous component:		
CAS: 7732-18-5 EINECS: 231-791-2	Water	80-90%

· **Remark :**

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) (CAS NO.55965-84-9)
Synonym: Kathon 886

The active concentration of component Kathon 886 (CAS NO.55965-84-9) in this product is 0.001-0.002% by weight.

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 out mouth with water.

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:**

CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **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.

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
- **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.
- **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:**

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)

MAK (Germany)	0,2E mg/m ³ vgl.Abschn.Xc
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- **DNELs:** Data not available.
- **PNECs:** Data not available.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Based on the 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

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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.

· **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:**

Form: Gel
Colour: Blue

· **Odour:** Odourless

· **Odour threshold:** Data not available.

· **pH-value:** Data not available.

· **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.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Data not available.

· **Decomposition temperature:** Data not available.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits**

Lower: Data not available.

Upper: Data not available.

· **Oxidizing properties:** Data not available.

· **Vapour pressure:** Data not available.

· **Density:** Data not available.

· **Relative density:** Data not available.

· **Vapour density:** Data not available.

· **Evaporation rate:** Data not available.

· **Solubility in / Miscibility with water:**

Data not available.

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· **Partition coefficient (n-octanol/water):** Data not available.

· **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 specifications.
- **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:**

9003-05-8 Polyacrylamide

Oral	LD50	12950 mg/kg (mouse)
		>1000 mg/kg (rat)
		11250 mg/kg (rabbit)

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)

860-22-0 disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one) disulphonate

Oral	LD50	2000 mg/kg (rat)
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- **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.

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Trade name: Gel Mat

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- **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.
- **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 Act):

9003-05-8	Polyacrylamide
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860-22-0	disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one) disulphonate
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7732-18-5	Water
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· 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.

· Cancerogenity categories**· EPA(Environmental Protection Agency):**

None of the ingredients is listed.

· IARC(International Agency for Research on Cancer):

None of the ingredients is listed.

· 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 (20/06/2011)**

None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction List (21/5/2011)

None of the ingredients is listed.

· REACH Regulation Annex XIV Authorization List (18/2/2011)

None of the ingredients is listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**16 Other information****· Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

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*R34 Causes burns.**R43 May cause sensitisation by skin contact.**R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

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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.

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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)

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

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

VOC: Volatile Organic Compounds (USA, EU)

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EU