



# Safety Data Sheet

According to REACH Regulation (EC) No.1907/2006, Annex II

**PRODUCT NAME / CODE: 306642**

**Date of issue:** September 2010

## 1. Identification of substance / preparation

- **Trade Name:** Heat Pads - knee
- Company/undertaking identification:

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## 2. Hazards identification

This product is not classified as dangerous according to EU Directive 1999/54/EC and its amendments.

Classification: Not classified

See section 11 for more detailed information on health effects and symptoms

## 3. Composition / information on active ingredients

EC Chemical name	CAS / EINECS Number
Glycerin	58-81-5

There are no additional ingredients present which, within the current knowledge of the supplier in the concentrations applicable, are classified as dangerous to health or environment and hence require reporting in this section

- ∞ Substance classified with a health or environmental hazard
- ∞ Substance with a workplace exposure limit
- ∞ PBT substance
- ∞ VPvB substance

Occupational exposure limits, if available are listed in section 8

## 4. First aid measures

### Inhalation:

Move person affected to fresh air. Keep person warm and comfortable. If they are breathing irregularly, provide Oxygen by trained personnel. Obtain medical attention if symptoms occur.

**Ingestion:**

Wash Mouth out with water. Move exposed person to fresh air. Keep person warm and comfortable. If material has been swallowed and person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention if symptoms occur.

**Skin Contact:**

Flush contaminated skin with plenty of water.

Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur.

**Eye Contact:**

Immediately flush eyes with plenty of water, occasionally lifting upper and lower eyelids. Check for and remove contact lenses.

Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Notes to physician: No specific treatment. Treat symptomatically. Contact Poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Date of last revision 29.09.08**

See section 11 for more detailed information on health effects and symptoms

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**5. Fire-fighting measures****Extinguishing media:****Suitable:**

Use an extinguishing agent suitable for the surrounding fire.

**Special Exposure hazards:**

In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

**Hazardous thermal decomposition products:**

Decomposition may include the following materials – Carbon Dioxide Carbon Monoxide.

**Special Protective equipment for fire fighters:**

Fire fighters should wear appropriate protective equipment and self contained breathing apparatus.

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**6. Accidental release measures****Personal precautions:**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering the area. Do not touch or walk through split material. Put on appropriate personal protective equipment (PPE) – See section 8

**Environmental precautions:** Avoid dispersal of spilt material with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil of air).

**Methods for cleaning affected area:****Small spill:**

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble or absorb with inert dry material and place in an appropriate waste container. Dispose of via a licensed waste disposal contractor.

**Large spill:**

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses or basement areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth and place in containers for disposal according to local regulations.

Dispose of only using a licensed Waste disposal contractor

**7. Handling and storage****Handling:**

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where the material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking.

**Storage:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (section 10) and food and drink. Keep container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
glycerin	EH40/2005 WELs (United Kingdom (UK), 8/2007). TWA: 10 mg/m <sup>3</sup> 8 hour(s). Form: Mist

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### Exposure controls

- Occupational exposure controls** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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## 8. Physical and chemical properties

### General information

#### Appearance

**Physical state** : Liquid. [Encapsulated liquid]

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## 9. Stability and reactivity

- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Materials to avoid** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 10. Toxicological information

### Toxicokinetics

- Absorption** : Not available.  
**Distribution** : Contains material which causes damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.  
**Metabolism** : Not available.  
**Elimination** : Not available.

### Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Eye contact** : No known significant effects or critical hazards.

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
glycerin	LD50 Dermal	Rabbit	>10 gm/kg	-
	LD50 Intraperitoneal	Rat	4420 mg/kg	-
	LD50 Intravenous	Rat	5566 mg/kg	-
	LD50 Oral	Rat	12600 mg/kg	-
	LD50 Subcutaneous	Rat	100 mg/kg	-
	LDLo Intramuscular	Rat	10 mg/kg	-
	TDLo Intramuscular	Rat	8 mL/kg	-
	TDLo Intramuscular	Rat	5000 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	>570 mg/m <sup>3</sup>	1 hours

- Conclusion/Summary** : Not available.

### Potential chronic health effects

#### Chronic toxicity

- Conclusion/Summary** : Not available.

#### Irritation/Corrosion

- Conclusion/Summary** : Not available.

#### Sensitiser

- Conclusion/Summary** : Not available.

#### Carcinogenicity

- Conclusion/Summary** : Not available.

#### Mutagenicity

- Conclusion/Summary** : Not available.

#### Teratogenicity

- Conclusion/Summary** : Not available.

#### Reproductive toxicity

- Conclusion/Summary** : Not available.

- Chronic effects** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

- Inhalation** : No specific data.  
**Ingestion** : No specific data.  
**Skin** : No specific data.

Eyes : No specific data.

### 11. Ecological information

**Environmental effects** : No known significant effects or critical hazards.

#### Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
glycerin	-	Acute LC50 54 to 57 ml/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 0.9 g	96 hours

**Conclusion/Summary** : Not available.

#### Biodegradability

**Conclusion/Summary** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

**PBT** : Not available.

**vPvB** : Not available.

### 12. Disposal considerations

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

### 13. Transport information

#### International transport regulations

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADR/RID Class	Not available.	Not available.	Not available.	-		-
ADNR Class	Not available.	Not available.	Not available.	-		-
IMDG Class	Not available.	Not available.	Not available.	-		-
IATA Class	Not available.	Not available.	Not available.	-		-

PG\* : Packing group

**14. Regulatory information**

**Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

**EU regulations**

**Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.**

**Risk phrases** : This product is not classified according to EU legislation.

**Product use** : Consumer applications.

**Europe inventory** : Not determined.

**Black List Chemicals** : Not listed

**Priority List Chemicals** : Not listed

**15. Other information****Third party materials:**

If third-party materials not supplied by Overseas Trading Limited are used in conjunction with the product listed in this document, it is the customer's responsibility to obtain all of the technical data and other properties relating to these other materials/preparations from the supplier or manufacturer. No liability can be accepted in respect of the use of Overseas Trading products in conjunction with other materials.

**Legal disclaimer:**

The information provided here is accurate and reliable to the best of Overseas Trading Limited's knowledge and belief. However, no warranty or guarantee is made as to its accuracy, reliability or completeness and the information is for his own specific application