

# MATERIAL SAFETY DATASHEET

According to Commission Regulation  
(EC) No 1907/2006 (REACH)



**Peppers Cable Glands Limited**  
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## PEPPERS T1000 COMPOUND

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product Name:** PEPPERS T1000 COMPOUND  
**Specific use(s):** A handy concentric, two-pack, epoxy putty stick that can be easily hand-mixed and when applied and cured provides an effective seal for e.g. cable fitting and electrical connectors.  
**Emergency Telephone Number:** [44] (0) 1276 64232 (Peppers)  
**Supplier:** Peppers Cable Glands Limited  
Stanhope Road, Camberley  
Surrey. GU15 3BT. England  
Telephone: [44] (0) 1276 64232  
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### 2. HAZARDS IDENTIFICATION

**Classification:** Irritant  
Sensitising

**Most important hazards:** May cause sensitisation by skin contact.  
Irritating to eyes and skin  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Symptoms of Exposure**

**Skin contact:** Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Substance may cause slight skin irritation.

**Eye contact:** Moderately irritating to the eyes. Irritating, but will not permanently injure eye tissue. Redness. Excessive watering.

**Ingestion:** Can burn mouth, throat, and stomach.

### 3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

#### Chemical nature of the preparation

Chemical Name:	CAS RN:	Europe EINECS	Weight %:	Classification:	CLP Classification	SVHC
BISPHENOL-A- (EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT = 700)	25068-38-6		10 - <20%	Xi; R36/38/R43 N; R51-53	Skin Sens. 1 Aquatic Chronic 2 Eye Irrit. 2 Skin Irrit. 2 H319 H315 H317 H411	Not Listed
EPOXY PHENOL FORMALDEHYDE RESIN	28064-14-4		1 - <5%	Xi; R36/38/R43 N; R51-53		Not Listed

For the full text of the R phrases mentioned in this Section, see Section 16.

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### 4. FIRST AID MEASURES

- General advice:** Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Show this safety data sheet to the doctor in attendance.
- Inhalation:** Move to fresh air in case of accidental inhalation of vapours or decomposition products. Lie down in the recovery position, cover and keep warm.
- Skin contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
- Eye contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- Ingestion:** Do not induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Obtain medical attention.

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media:** The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards:** In the event of fire and/or explosion do not breathe fumes. Thermal decomposition can lead to release of irritating gases and vapours. Fire will produce dense black smoke containing hazardous combustion products (see heading 10).
- Special protective equipment for fire-fighters:** In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
- Specific methods** Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Use personal protective equipment.
- Environmental precautions:** Should not be released into the environment. Do not allow material to contaminate ground water system. Prevent product from entering drains. Avoid subsoil penetration.
- Methods for cleaning up:** Sweep up and shovel into suitable containers for disposal.

### 7. HANDLING AND STORAGE

- Handling:** Avoid contact with skin and eyes. Change out of working clothes and wash hands before breaks and at the end of the working day. Keep away from open flames, hot surfaces and sources of ignition.
- Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 5°C and 30°C.
- Packaging material:** Store in original container.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Occupational exposure controls

**Engineering measures:** Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### Exposure Limit Values

#### Personal protective equipment

**Respiratory protection:** No personal respiratory protective equipment normally required. Respirator must be worn if exposed to dust.

**Hand protection:** For short-term contact the gloves should meet the requirements of EN374 preferably with at least Class 2 performance level which indicates a breakthrough time of >30 minutes e.g nitrile rubber Butyl rubber gloves. Gloves should be replaced immediately if signs of degradation are observed.

**Eye protection:** Safety glasses [BS EN 166] with side-shields. Eye wash bottle with pure water.

**Skin and body protection:** Lightweight protective clothing. Safety showers should be readily available.

**Hygiene measures:** When using, do not eat, drink or smoke. Change out of working clothes and wash hands before breaks and at the end of the working day. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Concentric rod of extruded semi-solid putty.
<b>Appearance:</b>	Viscous, white paste.
<b>Odour:</b>	Ammoniacal
<b>Colour:</b>	Off-white, Yellow
<b>pH:</b>	Not applicable
<b>Flash point:</b>	Does not flash
<b>Lower explosion limits:</b>	Not applicable
<b>Upper explosion limits:</b>	Not applicable.
<b>Specific gravity (g/cc):</b>	1.91 ± 0.03
<b>Decomposition temperature:</b>	>200°C
<b>Water solubility:</b>	Insoluble.
<b>Percent volatile by volume:</b>	0%

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions** Hazardous polymerization does not occur.

**Conditions to avoid:** Temperatures above 30°C. To avoid thermal decomposition, do not overheat.

**Incompatible materials:** Oxidizing agents. Acids and bases. Amines.

**Hazardous decomposition products:** Combustion produces oxides of carbon (COx) including highly poisonous carbon monoxide.

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## PEPPERS T1000 COMPOUND

### 11. TOXICOLOGICAL INFORMATION

#### LETHAL CONCENTRATION & LETHAL DOSE TOXICITY FOR PRODUCT COMPONENTS

**BISPHENOL-A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT = 700), CAS NO 25068-38-6 = 11400 mg/kg Oral LD50 Rat**

**EPOXY PHENOL FORMALDEHYDE RESIN, CAS NO 28064-14-4**  
LD50, LC50

<b>Skin irritation:</b>	May cause skin irritation in susceptible persons.
<b>Eye irritation:</b>	May cause eye irritation of susceptible persons.
<b>Sensitization :</b>	May cause sensitisation of susceptible persons by skin contact. Epoxy resins with an average molecular weight of less than 700 may cause sensitisation.
<b>Chronic toxicity:</b>	Repeated contact may cause allergic reactions in very susceptible persons.
<b>Reproductive toxicity:</b>	Piperazine is/are classified by the European Union as toxic to reproduction, category 3. Reprotoxic category 3 corresponds to "substances which cause concern for human fertility" but for which available information is not adequate to make satisfactory assessments.

### 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	Water contaminating.
<b>Persistence and degradability</b>	Not inherently biodegradable.
<b>Bioaccumulative potential</b>	Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.
<b>Ozone depletion potential</b>	No ozone depleting chemicals are present or used in manufacture.
<b>Toxicity:</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 13. DISPOSAL CONSIDERATIONS

<b>Waste from residues / unused products:</b>	Should not be released into the environment. Classified as hazardous waste according to (national equivalent of EC-Dir. 91/689; disposal of toxic and hazardous waste). It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations. Use a registered waste disposal company and supply accurate information about the nature of the hazard. Waste disposal number - 08 04 12 Adhesive and sealant sludges other than those mentioned in 08 04 11.
<b>Waste treatment methods - contaminated packaging:</b>	Waste treatment methods - contaminated packaging is classified as hazardous waste. Empty containers should be transported/delivered using a registered waste carrier for local recycling or waste disposal. Waste disposal number - 15 01 10* Packaging containing residues or contaminated by dangerous substances.
<b>Further information:</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

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### 14. TRANSPORTATION INFORMATION

**UN Proper shipping name:** Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

**Contains:** BISPHENOL-A-EPICHLORHYDRIN EPOXY RESIN  
EPOXY PHENOL FORMALDEHYDE RESIN

**Contains Environmental:** BISFENOLO-A-EPICLORIDRINA, RESINE EPOSSIDICHE (PESO MOLECOLARE  
MEDIO <= 700)

**Indication of danger:** Xi - Irritant.  
Contains epoxy constituents. See information supplied by the manufacturer.

Xi



**R-phrase(s):** R43 - May cause sensitization by skin contact.  
R36/38 - Irritating to eyes and skin.  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrase(s):** S 2 - Keep out of the reach of children.  
S24 - Avoid contact with the skin.  
S25 - Avoid contact with the eyes.  
S37 - Wear suitable gloves.  
S46 - If swallowed, seek medical advice immediately and show this container or label.  
S29 - Do not empty into drains.  
S35 - This material and its container must be disposed of in a safe way.  
S57 - Use appropriate containment to avoid environmental contamination.  
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

**SVHC Compliance** As can be seen in section 3 this material does not contain any Substance of Very High Concern (SVHC) as determined by the European REACH Regulation 1907/2006/EC in quantities above the reporting threshold.

**APFO/PFOA Compliance** This material does not use any raw material which contains APFO/PFOA hence can be considered as APFO/PFOA "free"

#### International Inventories

##### **United States TSCA:**

All chemicals in this product are listed in the inventory or, are exempt from the inventory as a naturally occurring substances.

##### **Europe EINECS:**

One or more chemicals in this product are not listed in the inventory.

##### **Canada DSL:**

One or more chemicals in this product are not listed in the inventory.

##### **Korea ECL:**

All chemicals in this product are listed in the inventory.

##### **Japan ENCS:**

One or more chemicals in this product are not listed in the inventory.

##### **Australia AICS:**

One or more chemicals in this product are not listed in the inventory.

##### **China Inventory:**

All chemicals in this product are listed in the inventory.

##### **Philippines PICCS:**

All chemicals in this product are listed in the inventory.

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### Legend

TSCA: Toxic Substance Control Act  
DSL: Domestic Substance List  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ECL: Existing Chemicals List aka Existing and Evaluated Chemical Substances  
AICS: Inventory of Chemical Substances  
ENCS: Existing and New Chemical Substances  
PICCS: Philippines Inventory of Chemicals and Chemical Substances

## 16. OTHER INFORMATION

**Shelf life:** 24 month(s). Any unused material should be wrapped and returned to its original package.

### Text of H/R phrases mentioned in Section 3

R53 - May cause long-term adverse effects in the aquatic environment.  
R51 - Toxic to aquatic organisms.  
R43 - May cause sensitization by skin contact.  
R34 - Causes burns.  
R36/38 - Irritating to eyes and skin.  
R42/43 - May cause sensitization by inhalation and skin contact.  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### MSDS INFORMATION

**Data Correct as of Date:** 05 September 2011  
**Prepared By:** Peppers Cable Glands Limited

**Further information:** Request a product data sheet for further information on properties and application techniques. Data sheets more than 24 months old may not be reliable: Obtain an up-to date version to be sure information is current.  
**Note:** This material safety data sheet does not constitute an assessment of workplace risk as required by the Health & Safety at Work Act and the Control of Substances Hazardous to Health Regulations.  
This material does not contain any hazardous substances as determined by the European (RoHS2) Directive 2011/65/EU.

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