Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

General

This Safety Data Sheet conforms to UK legal requirements. It is based on the constituent raw materials prior to combining into the product. It is recommended that when handling this product PVC or latex gloves should be worn at all times. Hands should be washed after use. If in the unlikely event that the cured compound is sanded a mask should be worn to protect against the dust generated. This is generic to any fine dust not necessarily specific to the product.

SAFETY DATA SHEET

Conforms to (UK) The REACH etc. (Amendment) Regulations 2020, Statutory Instrument 2021 No. 904 Part 2.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830

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

1.1 Product identifier

Product name	PEPPERS T-1000 COMPOUND
Product code	FG597477075PSI
Product description	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.
Product use	Industrial applications.
Other means of identification	Not available.
1.2 Relevant identified uses of the substance or mixture and uses advised against	To provide an effective seal for e.g. cable fitting and electrical connectors. Product is not intended, labelled, or packaged for consumer use.
1.3 Details of the supplier of the safety data sheet:	Peppers Cable Glands Limited, Stanhope Road, Camberley, Surrey, GU15 3BT, UK
E-mail address:	admin@peppers.co.uk
1.4 Emergency telephone number:	NHS telephone number: Dial 111
National advisory centre:	National Poisons Information Service (NPIS; www.npis.org): Telephone number is made available to Healthcare Professionals only

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	Mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1,H317; Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 16 for the full text of the H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms

GHS05: Corrosion; GHS07: Exclamation mark

Signal word	Warning
Hazard statements	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention	Wash hands thoroughly after handling. Wear protective gloves. Wear eye or face protection. Avoid release to the environment.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or Doctor.
Storage	Not applicable.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	Fatty acids, C18-unsatd., dimers, reaction products with polyethylene polyamines bis-[4-(2, 3-epoxipropoxi) phenyl] propane Phenol, polymer with formaldehyde, glycidyl ether (MW<=700) 3, 6-diazaoctanethylenediamin piperazine [liquid] 2-piperazin-1-ylethylamine.
Supplemental label elements	Contains epoxy constituents. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:	Not applicable.

Special packaging requirements:

Containers to be fitted with child-resistant fastenings	Not applicable
Tactile warning of danger	Not applicable

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

2.3 Other hazards

Product meets the criteria for PBT or vPvB	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	None known

SECTION 3: Composition/information on ingredients

3.2 Mixtures Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
Talc (Mg3H2(SiO3)4)	EC: 238-877-9 CAS: 14807-96-6	≥25 - ≤50	Not classified.	[2]
glass, oxide, chemicals	EC: 266-046-0 CAS: 65997-17-3	≥25 - ≤50	Not classified.	[2]
Epoxy resin (MW≤700	REACH# 01-2119456619-24	≥5.0 - ≤8.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
Fatty acids, C18-unsatd., dimers, reaction products with polyethylene polyamines	CAS:68410-23-1	≥5.0 - ≤7.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
bis-[4-(2, 3-epoxipropoxi) phenyl] propane	REACH# 01-2119456619-26 EC:216-823-5 CAS:1675-54-3	≥1.0 - ≤4.9	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
Phenol, polymer with formaldehyde, glycidyl ether (MW<=700)	Index: 603-074-00-8 CAS: 28064-14-4	≥1.0 - ≤4.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
titanium dioxide	REACH# 01-2119489379-17 EC:236-675-5	≥1.0 - ≤5.0	Not classified.	[2]
3, 6-diazaoctanethylenediamin	EC: 203-950-6 CAS: 112-24-3 Index:612-059-00-2	≤0.30	Acute Tox. 4, H302 Acute Tox. 4, H312, Skin Corr. 1B, H314,Eye Dam 1,H318 Skin Sens,H317 Aquatic Chronic	[1]
Piperazine [liquid]	EC: 203-808-3 CAS: 110-85-0 Index: 612-057-01-1	≤0.30	H412, Skin Corr.1B, H314, Eye Dam 1,H318 Resp. Sens. 1, H334 Skin Sens.1, H317 Repr. 2, H361fd	[1] [2]
2-piperazin-1-ylethylamine	REACH# 01-2119471486-30 EC: 205-411-0 CAS: 140-31-8 Index: 612-105-00-4	≤0.30	Acute Tox. 4, H302, Acute Tox. 4, H312, Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317, Repr. 2, H361(oral), H372 Respiratory tract, inhalation, Aquatic chronic 3, H412 **See Section 16 for the full text of the H statements declared above.**	[1]

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.
[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
[5] Substance of equivalent concern
[6] Additional disclosure due to company policy
Occupational exposure limits, if available, are listed in Section 8.
SUB codes represent substances without registered CAS numbers.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 10 minutes. Get medical attention.
Inhalation (Dust)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	Adverse symptoms may include the following: pain or irritation, watering, redness
Inhalation	No specific data.
Skin contact	Adverse symptoms may include the following: irritation, redness
Ingestion	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Over-exposure signs/symptoms

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	Decomposition products may include the following materials: • carbon dioxide • carbon monoxide • halogenated compounds • metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

Small spill	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. *(Note: Dust comment is only applicable to raw materials not final product. Dust from sanding is inert, as will all dusts care should be taken with containing and disposal.)*
Large spill	Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labelled waste container. Dispose of via a licensed waste disposal contractor. (Note: Dust comment is only applicable to raw materials not final product. Dust from sanding is inert, as will all dusts care should be taken with containing and disposal.)
6.4 Reference to other sections	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Do not store below the following temperature: 5°C (41°F). 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 (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

See section 1.2 for identified uses.

Recommendations	Not available.
Industrial sector specific solutions	Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	**Exposure limit values**
Talc (Mg3H2(SiO3)4)	**EH40/2005 WELs (United Kingdom (UK), 08/2018).** TWA: 1 mg/m³ 8 hours. Form: respirable dust
glass, oxide, chemicals	**EH40/2005 WELs (United Kingdom (UK), 08/2018).** TWA: 5 mg/m³ 8 hours
titanium dioxide	**EH40/2005 WELs (United Kingdom (UK), 08/2018).** TWA: 10 mg/m³ 8 hours. Form: inhalable dust TWA: 4 mg/m³ 8 hours. Form: respirable dust
piperazine[liquid]	**EH40/2005 WELs (United Kingdom (UK), 08/2018). Inhalation sensitiser.** STEL: 0.3 mg/m³ 15 minutes. TWA: 0.1 mg/m³ 8 hours.

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 monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

DNELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
Epoxy resin MW ≤ 700)	DNEL	Long term Inhalation	12.25 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	12.25 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	8.33 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	8.33 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	3.571 mg/kg bw/day	General Population(consumers)	Systemic
	DNEL	Short term Dermal	3.571 mg/kg bw/day	General Population(consumers)	Systemic
Fatty acids, C18-unsatd., dimers, reaction products with polyethylene polyamines	DNEL	Long term Oral	0.75 mg/kg bw/day	General Population(consumers)	Systemic
	DNEL	Short term Oral	0.75 mg/kg bw/day	General Population(consumers)	Systemic
	DNEL	Long term Oral	0.56 mg/kg bw/day	General Population(consumers)	Systemic
bis-[4-(2, 3-epoxipropoxi) phenyl] propane	DNEL	Long term Dermal	0.56 mg/kg bw/day	General Population(consumers)	Systemic
	DNEL	Long term Inhalation	0.97 mg/m³	General Population(consumers)	Systemic
	DNEL	Long term Dermal	1.1 mg/kg bw/day	Workers	
	DNEL	Long term Inhalation	3.9 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	12.25 mg/m³	Workers	Systemic
titanium dioxide	DNEL	Short term Inhalation	8.33 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	8.33 mg/kg bw/day	Workers	Systemic
piperazine[liquid]	DNEL	Short term Dermal	3.571 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	3.571 mg/kg bw/day	General Population(consumers)	Systemic
	DNEL	Short term Dermal	0.75 mg/kg bw/day	General Population(consumers)	Systemic
	DNEL	Long term Oral	0.75 mg/kg bw/day	General Population(consumers)	Systemic
2-piperazin-1-ylethylamine	DNEL	Short term Dermal	10 mg/m³	General Population(consumers)	Systemic
	DNEL	Long term Oral	700 mg/kg bw/day	Workers	Local
	DNEL	Long term Inhalation	0.014 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Oral	0.042 mg/kg bw/day	Workers	Systemic
			0.1 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	0.3 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	0.3 mg/m³	Workers	Systemic

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

DNEL	Long term Inhalation	0.3 mg/m³	General Population(consumers)	Local
DNEL	Short term Inhalation	1.5 mg/kg bw/day 2%	General Population(consumers)	Local
DNEL	Short term Dermal	0.3 mg/kg bw/day	General Population(consumers)	Local Systemic
DNEL	Short term Inhalation	0.9 mg/m³	General Population(consumers)	Systemic
DNEL	Short term Oral	1.5 mg/kg bw/day	General Population(consumers)	Local
DNEL	Long term Dermal	1.7 mg/kg bw/day	Workers	Systemic
DNEL	Long term Dermal	3.3 mg/kg bw/day	Workers	Systemic
DNEL	Long term Inhalation	3.6 mg/m³	General Population(consumers)	Systemic
DNEL	Short term Inhalation	5.3 mg/m³	General Population(consumers)	Systemic
DNEL	Short term Dermal	10 mg/kg bw/day	Workers	Systemic
DNEL	Short term Dermal	20 mg/kg bw/day	Workers	Systemic
DNEL	Short term Inhalation	21.4 mg/m³	Workers	Systemic

PNECs

Product/ingredient name	Type	Compartment Detail	Value	Method Detail
Epoxy resin MW ≤ 700)	-	Fresh Water	0.006mg/l	Assessment factors
	-	Marine Water	0.001mg/l	Assessment factors
	-	Sewerage treatment plant	10mg/l	Assessment factors
	-	Fresh water sediment	0.996mg/kg dwt	Equilibrium partitioning
	-	Marine water sediment	0.1mg/kg dwt	Equilibrium partitioning
	-	Fresh water	0.006mg/l	Assessment factors
bis-[4-(2, 3-epoxipropoxi) phenyl] propane	-	Marine Water	0.001mg/l	Assessment factors
	-	Fresh water sediment	0.996mg/kg dwt	Equilibrium partitioning
	-	Marine water sediment	0.1mg/kg dwt	Equilibrium partitioning
	-	Soil	0.196mg/kg dwt	Equilibrium partitioning
	-	Sewerage treatment plant	10mg/l	Assessment factors
	-	Secondary poisoning	11mg/kg	Assessment factors

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

8.2 Exposure controls

Appropriate engineering controls	If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Chemical splash goggles and face shield. Use eye protection according to EN 166.

Skin protection

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Gloves	butyl rubber
Body 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.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140. 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. Mask type: full face mask half-face mask Filter type: organic vapour filter (Type A) particulate filter P3.
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.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	Solid. [Viscous mass.]
Colour	Beige.
Odour	Ammoniacal.
Odour threshold	Not available.
pH	Insoluble in water.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Closed cup: Not applicable. [Product does not sustain combustion.]
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.95
Solubility(ies)	Easily soluble in the following materials: methanol and acetone. Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Stable under recommended storage and handling conditions (see Section 7).
Viscosity	Kinematic (40°C): Not available.
Explosive properties	The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.
Oxidising properties	Product does not present an oxidizing hazard.

9.2 Other information

No other information	Not applicable.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

SECTION 10: Stability and reactivity

10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	The product is stable.
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
10.5 Incompatible materials	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, and strong acids.
10.6 Hazardous decomposition products	Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	>2 g/kg	-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
titanium dioxide	LC50 Inhalation Dusts and mists.	Rat	>6.82 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	1465 mg/kg	-
	LD50 Oral	Rat	1716 mg/kg	-
piperazine [liquid]	LD50 Dermal	Rabbit	4000 mg/kg	-
	LD50 Oral	Rat	1900 mg/kg	-
2-piperazin-1-ylethylamine	LC50 Inhalation Dusts and mists.	Rat	>5 mg/l	4 hours
	LD50 Dermal	Rabbit	866 mg/kg	-
	LD50 Oral	Rat	2140 mg/kg	-
Conclusion/Summary	Not available.			
Acute toxicity estimates	Not available.			

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
epoxy resin (MW ≤ 700)	Skin - Mild irritant	Rabbit	-	-	-
	Eyes - Mild irritant	Rabbit	-	-	-
		Rabbit	0.4	24 hours	-

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

					-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Eyes- Redness of the conjunctivae	Rabbit	-	24 hours	-
		Rabbit	0.8	-	-
	Eyes - Mild irritant		-	4 hours	-
	Skin - Erythema/ Eschar	Rabbit	0.5	-	-
		Rabbit	-	4 hours	-
	Skin – Oedema	Rabbit	-	4 hours	-
	Skin - Mild irritant	Rabbit	-	0.005 micro millilitres	-
piperazine [liquid]	Eyes - Moderate irritant	Rabbit	-	24 hours 250	-
	Eyes - Severe irritant	Rabbit	-	Micrograms	-
	Eyes - Severe irritant	Rabbit	-	250 Micrograms	-
	Skin - Mild irritant			500 milligrams	-
	Skin - Moderate irritant			0.01 millilitres	

Conclusion/Summary: Not available.

Product/ingredient name	Route of exposure	Species	Result
epoxy resin (MW ≤ 700)	Skin	Mouse	Sensitising
Fatty acids, C18-unsatd., dimers, reaction products with polyethylene polyamines	Skin	Mouse	Sensitising
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Skin	Mouse	Sensitising
3,6-diazaoctanethylenediamin	Skin	Guinea pig	Sensitising
2-piperazin-1-ylethylamine	Skin	Guinea pig	Sensitising

Sensitisation Conclusion/Summary: There are no data available on the mixture itself.

Mutagenicity Conclusion/Summary: There are no data available on the mixture itself.

Carcinogenicity Conclusion/Summary: There are no data available on the mixture itself.

Reproductive toxicity Conclusion/Summary: There are no data available on the mixture itself.

Teratogenicity Conclusion/Summary: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure): There are no data available on the mixture itself.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	category	Route of exposure	Target organs
2-piperazin-1-ylethylamine	Category 1	Inhalation	Respiratory tract

Aspiration hazard: Not available.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

Information on likely routes of exposure	Not available.

Potential acute health effects

Eye contact	Causes serious eye irritation.
Inhalation	No known significant effects or critical hazards.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Ingestion	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	Adverse symptoms may include the following: pain or irritation, watering, redness
Inhalation	No specific data
Skin contact	Adverse symptoms may include the following: irritation, redness
Ingestion	No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure Potential immediate effects	Not available.
Potential delayed effects	Not available.
Long term exposure	
Potential immediate effects	Not available.
Potential delayed effects	Not available.
Potential chronic health effects	Not available.
Conclusion/Summary	Not available.
General	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
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.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
epoxy resin (MW ≤ 700)	Acute LC50 1.8 mg/l	Daphnia	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
Fatty acids, C18-unsatd., dimers, reaction products with polyethylene polyamines	EC50 4.11 mg/l Fresh water	Algae	72 hours
	Acute LC50 1.8 mg/l Fresh Water	Daphnia – daphniamagna	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
	Acute LC50 >100 mg/l		
titanium dioxide	Fresh water	Daphnia – daphniamagna	48 hours
2-piperazin-1-ylethylamine	Acute EC50 58 mg/l	Daphnia	48 hours
Conclusion/Summary	There are no data available on the mixture itself		

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
epoxy resin (MW ≤ 700)	OECD 301F	5 % - 28 days	-	-
Fatty acids, C18-unsatd., dimers, reaction products with polyethylene polyamines	-	15 % - 28 days	-	-
2-piperazin-1-ylethylamine	OECD 301F	0 % - Not readily - 28 days	-	-
Conclusion/Summary	There are no data available on the mixture itself.			

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
epoxy resin (MW ≤ 700)	-	-	Not readily
Fatty acids, C18-unsatd., dimers, reaction products with polyethylene polyamines	-	-	Not readily
titanium dioxide			
2-piperazin-1-ylethylamine	-	-	Not readily
	-	-	Not readily

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
epoxy resin (MW ≤ 700)	3	31	low
3,6-diazaoctanethylenediamin	-1.66 to -1.4	-	low

12.4 Mobility in soil

Soil/water partition coefficient (KOC)	Not available.
Mobility	Not available.

12.5 Results of PBT and vPvB assessment

PBT	This mixture does not contain any substances that are assessed to be a PBT.
vPvB	This mixture does not contain any substances that are assessed to be a vPvB.
12.6 Other adverse effects	No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product, Methods of disposal	The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	Yes.

European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste adhesives and sealants containing organic solvents or other hazardous substances

Packaging

Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	9005.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	-	-
14.3 Transport hazard class(es)	-	9	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	Yes.	No.	No.
Additional Information	None identified	The product is only regulated as a dangerous good when transported in tank vessels	None identified	None identified
14.6 Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.			
14.7 Transport in bulk according to IMO instruments	Not available.			

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation

Annex XIV	None of the components are listed.
Substances of very high concern	None of the components are listed.
Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
Ozone depleting substances (1005/2009/EU)	Not listed.
Prior Informed Consent (PIC) (649/2012/EU)	Not listed.
Seveso Directive	This product is controlled under the Seveso Directive.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

15.2 Chemical safety assessment	This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Abbreviations and acronyms	ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland waterway IMDG = International Maritime Dangerous Goods IATA = International Air Transport Association PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	***Justification***
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chr. 3, H412	Calculation method

Full text of abbreviated H statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654

Peppers Cable Glands Limited
Stanhope Road
Camberley
Surrey
GU15 3BT
United Kingdom

tel: +44 (0) 1276 64232
www.peppers.co.uk
admin@peppers.co.uk

Safety Data Sheet UK

Peppers T-1000 Compound

Full text of classifications [CLP/GHS]

Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Aquatic Chr. 2, H411	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chr. 3, H412	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Repr. 2, H361fd	REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2
Resp. Sens. 1, H334	RESPIRATORY SENSITISATION - Category 1
Skin Corr. 1B, H314	SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1, H317	SKIN SENSITISATION - Category 1
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE - Category 1

Document Number	CT0021 V6.
Reviewed / Published Date	20 January 2023
Prepared by	Peppers Cable Glands Ltd.

Registered Office: Summerhill Works, Powell Street, Birmingham B1 3DH
Registered in England No: 2720654