



# **PASSIVETEC<sup>®</sup> TP THERMAL PASTE**

## **MATERIAL SAFETY DATASHEET**

**V3 16-11-29 E**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

### 1.1 Product identifier

Product Name	PassiveTec® TP Ready Mix Thermal Paste
Product identification	Silicates and refractory materials
CAS No.	Mixture
EINECS No.	Mixture
REACH Registration No.	None assigned.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Provides a barrier to heat, smoke and gas circulation when exposed to fire and prevents spread of flame or gasses through treated joints and penetrations.
Uses Advised Against	None known.

### 1.3 Details of the supplier of the safety data sheet

Company Identification	PassiveTec® SIG plc Hillsborough works Langsett Road Sheffield S6 2LW
Telephone	+44 (0)1925 860999
E-Mail (competent person)	info@passivetec.com

### 1.4 Emergency telephone number

Emergency telephone number	+44 (0) 1925 860999 (Mon-Fri 0900-1700 Hrs)
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Languages spoken	English
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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Skin Irrit. 2; H315 Eye Dam. 1; H318
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### 2.2 Label elements

Product Name	PassiveTec® TP Ready Mix Thermal Paste
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Hazard Pictogram(s)



Signal Word(s)	Danger
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Hazard Statement(s)	H315: Causes skin irritation. H318: Causes serious eye damage.
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#### Precautionary Statement(s)

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor.  
P362 + P364: Take off contaminated clothing and wash it before reuse.

#### 2.3 Other hazards

None known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Substances in preparations / mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No. Hazard Statement(s)	Hazard Statement(s)
Sodium Oxide	< 5	1313-59-3	215-208-9	Not yet assigned in the supply chain	Skin Corr. 1B; H314: Causes severe skin burns and eye damage.



### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

##### Skin Contact

Remove contaminated clothing and wash all affected areas with plenty of water. If irritation occurs, do not rub or scratch, rinse under running water prior to washing thoroughly with water. If irritation (redness, rash, blistering) develops, get medical attention.

##### Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain prompt consultation, preferably from an ophthalmologist.

#### 4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage. Causes skin irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically. IF IN EYES: Obtain prompt consultation, preferably from an ophthalmologist.

## 5. FIRE-FIGHTING MEASURES

5.1	<b>Extinguishing media</b>	
	Suitable Extinguishing Media	Not classified as flammable. Non-combustible. This product is a fire protection product and will not induce, accelerate or maintain fire. Product will not need to be extinguished. Use fire-extinguishing media appropriate for surrounding materials.
	Unsuitable extinguishing Media	None known.
5.2	<b>Special hazards arising from the substance or mixture</b>	This product does not produce toxic smoke or fumes under fire exposure
5.3	<b>Advice for fire-fighters</b>	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

## 6. ACCIDENTAL RELEASE MEASURES

6.1	<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation. Ensure suitable personal protection during removal of spillages.
6.2	<b>Environmental precautions</b>	Avoid release to the environment.
6.3	<b>Methods and material for containment and cleaning up</b>	Cover spills with inert absorbent material. Transfer to a lidded container for disposal or recovery. Ventilate the area and wash spill site after material pick-up is complete. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.
6.4	<b>Reference to other sections</b>	See Section: 8, 13

## 7. HANDLING AND STORAGE

7.1	<b>Precautions for safe handling</b>	Ensure adequate ventilation. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin, eyes or clothing. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.
	Temperature	Ambient temperatures.
7.2	<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool/low-temperature, well-ventilated (dry) place. Keep container closed when not in use.
	Storage temperature	> 5 °C to < 35 °C
	Storage life	Stable under normal conditions.
	Incompatible materials	None known.
7.3	<b>Specific end use(s)</b>	See Section: 1.2

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
8.1.1	Occupational Exposure Limits	None assigned.
8.1.2	Biological limit value	Not established.
8.1.3	PNECs and DNELs	Not established.
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	Ensure adequate ventilation.
8.2.2	Individual protection measures, such as personal protective equipment (PPE)	Wash contaminated clothing before reuse. Avoid contact with skin and eyes.
	Eye/face protection	 Wear eye protection with side protection (EN166).
	Skin protection	 <b>Hand protection</b> Wear impervious gloves (EN374).  <b>Skin protection</b> Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
	Respiratory protection	 Normally no personal respiratory protection is necessary.
	Thermal hazards	None anticipated.
8.2.3	Environmental Exposure Controls	Avoid release to the environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	(Substances in preparations / mixtures)
	Appearance	Light brown paste
	Odour	Slight
	Odour Threshold	Not established
	pH	Not applicable
	Melting Point/Freezing Point	Not applicable
	Initial boiling point and boiling range	Not applicable
	Flash Point	Not determined. Non-flammable

Evaporation Rate	Not established
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not established
Vapour density	Not established
Relative density	1.80 g/cm <sup>3</sup>
Solubility(ies)	Not applicable
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition Temperature	Not established
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidising properties	Not oxidising
9.2 Other information	None.

## 10. STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	None known.
10.4	Conditions to avoid	Protect from moisture. Temperatures below: 5 °C. Temperatures above: 50 °C
10.5	Incompatible materials	None known.
10.6	Hazardous decomposition product(s)	This product does not produce toxic smoke or fumes under fire exposure.

## 11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects (Substances in preparations / mixtures)	
	Acute toxicity	Based upon the available data, the classification criteria are not met.
	Ingestion	Based upon the available data, the classification criteria are not met.
	Inhalation	Based upon the available data, the classification criteria are not met.
	Skin Contact	Based upon the available data, the classification criteria are not met.
	Skin corrosion/irritation	Skin Irrit. 2; Causes skin irritation. Contains: Sodium Oxide: Causes severe skin burns and eye damage. INCHEM, ICSC: 1653
	Serious eye damage/irritation	Eye Dam. 1; Causes serious eye damage. Contains: Sodium Oxide: Causes severe skin burns and eye damage. INCHEM, ICSC: 1653

Respiratory or skin sensitization	Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met. There is no evidence of mutagenic potential.
Carcinogenicity	Based upon the available data, the classification criteria are not met. No evidence of carcinogenicity.
Reproductive toxicity	Based upon the available data, the classification criteria are not met.
STOT - single exposure	Based upon the available data, the classification criteria are not met.
STOT - repeated exposure	Based upon the available data, the classification criteria are not met.
Aspiration hazard	Based upon the available data, the classification criteria are not met.
11.2 Other information	None.

## 12. ECOLOGICAL INFORMATION

12.1 Toxicity	Not classified as a Marine Pollutant.
12.2 Persistence and degradability	No data for the mixture as a whole.
12.3 Bioaccumulative potential	No data for the mixture as a whole.
12.4 Mobility in soil	No data for the mixture as a whole.
12.5 Results of PBT and VPVB assessment	None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
12.6 Other adverse effects	None known.

## 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of contents in accordance with local, state or national legislation. Dispose of this material and its container as hazardous waste (2008/98/EEC).
13.2 Additional Information	None.

## 14. TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	None assigned.	None assigned.	None assigned.
14.2 UN proper shipping name	None assigned.	None assigned.	None assigned.
14.3 Transport hazard class(es)	None assigned.	None assigned.	None assigned.
14.4 Packing group	None assigned.	None assigned.	None assigned.
14.5 Environmental hazards	Not classified.	Not classified.	Not classified.
14.6 Special precautions for user	See Section: 2		

14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable	Not applicable	Not applicable
14.8	Additional Information	None.		

## 15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture			
15.1.1	EU regulations			
	Authorisations and/or Restrictions On Use	None.		
15.1.2	National regulations			
	Germany	Water hazard class: 1		
15.2	Chemical Safety Assessment	Not available.		

## 16. OTHER INFORMATION

The following sections contain revisions or new statements: 2, 3, 11, 14

### References

Existing Safety Data Sheet (SDS), the Classification and Labelling Inventory for Sodium Oxide (CAS No. 1313-59-3).

### Literature References:

- Sodium Oxide Classification;
1. <http://www.chemspider.com/Chemical-Structure.66599.html>
  2. INCHEM, ICSC: 1653 <http://www.inchem.org/documents/icsd/icsd/eics1653.htm>

### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvT	vPvT: very Persistent and very Toxic
OECD	Organisation for Economic Cooperation and Development

### Training advice

Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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### Annex to the extended Safety Data Sheet (eSDS)

Not available.





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