

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

1.1 Product identifier Groovtec 523

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

Use of the Substance/Mixture: Hot Melt Adhesive

1.3 Details of the supplier of the safety data sheet

Power Adhesives Limited
1 Lords Way
BASILDON
Essex
SS13 1TN
United Kingdom

Telephone: +44 (0)1268 885800

E-mail address of person responsible for the SDS:

sds@poweradhesives.com

1.4 Emergency telephone number

Power Adhesives Tel: +44 (0)1268 885800
(U.K. Monday-Friday 08:00-17:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3 Other hazards

During use, the product is applied at elevated temperatures, exposing the user to the possibility of severe burns unless suitable precautions are taken. Exposure to high levels of fumes at application temperature may cause irritation of the eyes and respiratory tract. Product may accumulate static charges. If adhesive is overheated, especially using a naked flame it will burn. Excessive fume indicates overheating.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hot melt adhesive containing thermoplastic polymers, tackifying resins, and antioxidant. Contains no hazardous ingredients or impurities.

SECTION 4: First aid measures

4.1 Description of first aid measures

Skin Contact First aid not normally required for contact with product at ambient temperature. For contact with hot product, plunge affected part into cold water until adhesive thoroughly solid and pain eases. Do not attempt to remove adhesive. Seek medical attention. Adhesive may be softened with olive oil or liquid paraffin. When hot melt removed treat as normal burn.

Eye contact Cold pellets may cause abrasions. If hot product enters eye flush area with large quantity of clean cold water. Urgently seek medical assistance.

Inhalation No inhalation hazard from cold product. Remove to fresh air if excess fume from hot product inhaled. Treat any irritation symptomatically. If necessary, seek medical attention.

Ingestion If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting. Give large quantities of water but never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Direct contact with molten adhesive will lead to severe thermal burns. Adhesive should be cooled under cold running water. Do not attempt to remove the adhesive.

4.3 Indication of any immediate medical attention and special treatment needed

Treat as thermal burns

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

- Dry chemical powder
- Carbon dioxide
- Earth
- Sand
- Foam

Unsuitable extinguishing media: Water

5.2 Special hazards arising from the substance or mixture

Combustion Products: Carbon dioxide, Carbon monoxide, Acetic acid, Smoke, Low molecular weight hydrocarbons

5.3 Advice for firefighters

Water should not be used as burning product may float on water.

Self-contained breathing apparatus with a gastight suit should be used when close proximity to the substance or its vapours is likely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Protective equipment:

Wear gloves and eye protection when handling molten or hot products.

Emergency procedures:

Spilled material will present a slippage hazard on hard surfaces.

If hot product is spilt, allow to cool and take up mechanically.

Sweep up spilled material placing in suitable containers for reuse or disposal.

6.1.2 For emergency responders:

As above

6.2 Environmental precautions

Prevent material from entering watercourses or sewers. Advise authorities if material enters watercourses or sewers.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment:

If molten, allow to solidify

6.3.2 For cleaning up:

Sweep up or vacuum up spillage and collect in suitable containers for disposal.

6.3.3 Other information:

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean up of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special requirements. When emptying bulk bags product may accumulate static charge.

7.2 Conditions for safe storage, including any incompatibilities

Store in a clean dry place at temperatures between 5°C/40°F and 30°C/85°F with containers kept closed. Use oldest stock first.

7.3 Specific end use(s)

Intended for use only as industrial adhesive.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Nominal industrial hygiene measures should be sufficient. Where contact may occur with hot materials, wear thermal resistant gloves, arm protection and a face shield. During processing adequate ventilation is required. The use of local exhaust ventilation is recommended to control fumes.

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

Personal protective equipment

Wear the following personal protective equipment:

Eye protection: Safety glasses

Hand protection: Heat resistant gloves

Remarks: Wash hands before breaks and at the end of workday.

Skin and body protection: Skin should be washed after contact.

Respiratory protection: No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Solid
Colour:	Pale amber
Odour:	No significant odour at ambient temperature
Odour Threshold:	No data available
pH:	Not applicable
Melting point/freezing point:	>75°C/165°F
Initial boiling point and boiling range:	Not applicable
Flash point:	> 200 °C/390 °F
	Method: closed cup
Evaporation rate:	Not applicable
Flammability (solid, gas):	Combustible, but not flammable
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	Not applicable
Relative vapour density:	No data available
Relative density:	Not determined
Solubility(ies)	
Water solubility:	Insoluble in water
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	>200°C/390°F
Decomposition temperature:	No data available
Viscosity:	Solid at ambient temperatures
Explosive properties:	None
Oxidizing properties:	None

9.2 Other information

Molecular weight: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Limited chemical reactivity. No hazardous chemicals are known to be formed during the use of this product.
Adding water to molten product will cause foaming and spitting.

10.2 Chemical stability

Under storage at normal ambient temperatures (-40°C/-40°F to + 40°C/105°F), the product is stable

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Storage below 5°C/40°F and above 30°C/85°F

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Does not decompose when used for intended uses

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	Not determined
Irritation:	Not determined
Corrosivity:	Not determined
Sensitisation:	Not determined
Repeated dose toxicity:	Not determined
Carcinogenicity:	Not determined
Mutagenicity:	Not determined
Toxicity for reproduction:	Not determined

Other information

Inhalation Negligible hazard at ambient temperature. Vapour at elevated temperature may be irritating to the eyes and respiratory tract.

Skin contact Negligible hazard at ambient temperature. Contact with hot material will cause thermal burns which may be severe depending upon amount.

Eye contact Exposure to hot material will cause thermal burns which may be severe. Pellets may scratch eye surface or cause mechanical irritation.

Ingestion Not determined but believed to have a low order of toxicity.

SECTION 12: Ecological information

12.1 Toxicity

Not known to have any adverse effects

12.2 Persistence and degradability

Not known to have any adverse effects

12.3 Bioaccumulative potential

Not determined

12.4 Mobility in soil

Not determined

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6 Other adverse effects

Not determined

SECTION 13: Disposal considerations

Suitable methods of disposal are incinerators with energy recovery or in approved landfill sites in accordance with EC, national and local regulations. Care should be taken to ensure compliance with EC, national and local regulations

SECTION 14: Transport information

Not regulated for land, sea, inland waterways or air.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

The components of this product are reported in the following inventories:

REACH: All ingredients (pre-)registered or exempt.

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Incorrect application can cause degradation of the product. Observe the maximum recommended processing temperature for this product found on the appropriate technical data sheet. If necessary contact the technical service department for advice.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Whilst the information contained on this data sheet is the result of careful laboratory evaluations by trained and qualified staff using British Standard or similar test methods, it is designed to give guidance only on the safe handling, use, processing, storage, transportation, disposal and accidental release measures relating only to the specific material identified at the top of this SDS, and may not be valid when the SDS material is used in combination with any other materials or in any processes.

No warranty is expressed or implied regarding the accuracy of the data contained within this SDS, or the suitability of the adhesive for any specific purpose. In every case, we strongly recommend that the user shall make their own test to determine, to their own satisfaction, the suitability of the adhesive for their particular purpose.