

SAFETY DATA SHEET

SECTION 1: Identification of the substance/preparation and the company/enterprise

- 1.1 Product name: **PS, PS-25 fire retardant collar and wrap**
- 1.2 Use: Fire proof material for combustible pipes
- 1.3 Manufacturer: DUNAMENTI TŰZVÉDELEM ZRT
H-2131 Göd, Nemeskéri Kiss Miklós u. 39
Tax No: 13303482-2-13
Tel.: 27-345-217 Fax: 27-345-074
- 1.4 Distributor: DUNAMENTI TŰZVÉDELEM ZRT
H-2131 Göd, Nemeskéri Kiss Miklós u. 39
Tax No: 13303482-2-13
Tel.:27-345-217 Fax: 27-345-074
- Person in charge: János Kasza – Development Engineer
E-mail: kasza@dunamenti.hu
- 1.5 Emergency phone: Health Toxicological Information Service (ETTSZ)
H-1096 Budapest, Nagyvárad tér 2.
Tel.: +36 1 476 6464, +36 80 201 199

SECTION 2: Classification of hazards

Contains no components bound to danger symbols.

SECTION 3: Data relating to composition/components

General chemical description: Plastic-based, flexible, fire retardant tape in the shape of a collar.
Base component of product: Graphite, ammonium-polyphosphate, polymer
Hazardous components: none

SECTION 4: First aid measures

General Instruction

- 4.1. Inhalation: no measures required in case of normal use.
- 4.2. In case of contacting skin: no measures required in case of normal use.
- 4.3. In case of eye contact: no measures required in case of normal use.
- 4.4. In case of swallowing: immediately consult doctor.

SECTION 5: Fire-fighting measures

- 5.1. Suitable extinguishers: CO₂, powder and sand, fire foam, spray. The product is partially combustible, it creates an intumescent non-combustible material in case of fire.
- 5.2. Unsuitable extinguishing agents in terms of safety: not known
- 5.3. Special exposure risks, fumes, gases produced by the product: In case of fire carbon monoxide, ammonium and nitrogen oxides may be produced.
- 5.4. Special protective gear for fire fighters: breathing apparatus and protective isolation suit.

SECTION 6: Accidental release measures

- 6.1. **Personal protection:** no special instructions.

- 6.2. **Environmental precautions and cleaning:** Prevent formation of dust.
- 6.3. **Decontamination:** Fallen or dispersed pieces of material must be swept up and transported in closed containers to a safe place for disposal. The contaminated material must be treated as waste according to section 13.

SECTION 7: Handling and storage

7.1. Handling:

- 7.1.1. Observe the provisions set forth under section 8 below. Keep away from the reach of children.

7.2. Storage:

- 7.2.1. Instruction for storage together with other products: Do not store together with food and beverages.
- 7.2.2. Further information about the storage conditions: Store in a dry place.

SECTION 8: Exposure control/individual protection

- 8.1. Additional instructions concerning appropriate technological environment: see section 7.
- 8.2. Threshold values of components to be observed in the workplace: No hazardous components
- 8.3. **Occupational exposure controls:**
According to (6) §7 of common decree No. 25/2000. EüM-SZCSM in case of hazardous materials not governed by a limit the employer is obliged to decrease the rate of exposition to the lowest possible level expected by the scientific and technical standards, at which level the material is not harmful to health based on the current state of knowledge.
- 8.4. **Personal protection:**
 - 8.4.1. General protective and hygienic measures in the workplace: keep product away from food, drinks and fodder.
 - 8.4.2. Respiratory protection: no requirements.
 - 8.4.4. Hand protection: -
 - 8.4.5. Eye protection: -
- 8.5. Environmental exposure control: no special instructions to comply with.

SECTION 9: Chemical and physical properties

Appearance

- 9.1.1. Form: solid, flexible tape
- 9.1.2. Colour: black
- 9.1.3. Odour: does not have characteristic odour

Data relating to safety:

- 9.2.1. Melting point: -
- 9.2.2. Boiling point: -
- 9.2.3. Flash-point:
- 9.2.4. Spontaneous combustion: -
- 9.2.5. Risk of explosion: -
- 9.2.6. Density at 20° C: 1.25 g/cm³
- 9.2.7. Solubility, miscibility in/with water: insoluble

SECTION 10: Stability and reactivity

- 10.1. **Situations to avoid:** none in case of intended use.
- 10.2. **Substances to avoid:** none in case of intended use.
- 10.3. **Hazardous decomposition products:** none in case of intended use.
No hazardous reaction is known in case of correct handling and storage.

SECTION 12: Ecological information

12.1. Ecology: Non-hazardous

SECTION 13: Disposal considerations

13.1. Product

13.1.1. Recommendation: shall not be transported as communal waste, not to be discharged into the sewage system.

13.2. Not clean packaging material

13.2.1. Recommendation: in compliance with the regulations of the local authority: The product can be treated as construction waste.

SECTION 14: Transport information

1. Road:	ADR/RID domestic and international transport
2. Class:	non-hazardous product
3. Maritime transport:	non-hazardous product
4. Air freight:	non-hazardous product

SECTION 15: Information regarding regulation

15.1 Safety, health and environmental rules and regulations relating to the given material or mixture

- REACH International regulation:
Decree No. 1907/2006/EC (18 December 2006) of the European Parliament and Council on the registration, evaluation, permitting and limiting of chemical materials (REACH), the establishment of the European Chemical materials Agency, the amendment of directive No.1999/45/EC as well as repealing decree No.793/93/EEC, committee decree No.1488/94/EC, directive No. 76/769/EEC, committee directives No. 91/155/EEC, 93/67/EEC and 2000/21/ EC.
 - CPL International regulation
DECREE No. **1272/2008/EC** (16 December 2008) of EUROPEAN PARLIAMNET AND COUNCIL on the classification, labeling and packaging of materials and mixtures, the amendment and repealing of directive No. 67/548/EEC and 1999/45/EC as well as the amendment of decree No. 1907/2006/EC.
 - DECREE No. **453/2010/EU** (20 May 2010) of THE COMITTEE on the amendment of decree No. 1907/2006/EC regarding the registration, evaluation, permitting and limiting of chemical materials (REACH)
 - Decrees regarding hazardous materials:
 - Act XXV of 2000** on chemical safety (amended by Act XXVI of 2004, Act CXL of 2004, Act CXXVII of 2005) and its relating decrees: **EüM decree No. 44/2000. (XII. 27.)** on the detailed rules of certain procedures and activities in connection with hazardous materials and dangerous products, [amended by EszCsM decree No. 33/2004. (IV.26), EÜM decree No. 60/2005.(XII. 20.), 3/2006 (I. 26.); FVM decree No. 1/2005 (I.7.); EszCsM decrees No. 61/2004 (VIII.11.), 73/2004 (VIII.11); EÜM decree No. 26/2007 (VI.7.).] Regulations relating to hazardous waste:
Gov.decree No. 98/2001 (VI.15.) on the conditions for carrying out activities related to hazardous waste [amended by Gov.decree No. 340/2004 (XII.22.), Gov.decree No. 313/2005 (XII.25.)];
Köm. decree No.16/2001 (VII.18.) [amended by KvVM decree 22/2004 (XII.11.)];
 - Regulations relating to water contamination
Gov.decree No. 220/2004 (VII.21.) [amended by Gov.decree No. 368/2004 (XII.26.), Gov.decree No. 340/2004 (XII.22.), Gov.decree No. 208/2006 (X.16)];
 - Regulations relating to safety
Act XCIII of 1993 on safety at work and its amendments, its relating NM and MüM decrees.
 - Regulations on chemical safety of working places
Common EüM-SZCSM decree No. 25/2000 (IX.30)
- 15.2 Chemical safety assessment: -

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 Comply with decrees No 1907/2006 EC and 453/2010 EU

SECTION 16: Miscellaneous information

The data have been prepared based on the current state of knowledge, however they do not constitute any guarantee or contractual obligation. The data shall not be modified or related to other products. The multiplication of safety data sheets is permitted in unaltered form.

16.1 Abbreviations and interpretations applied:

DSD	according to Directive No. 67/548/EEC and its amendments
CLP	according to Decree No. 1272/2008/EC and its amendments
CAS-number	(Chemical Abstract Service) index-number, individual identification number consisting of not more than 9 digits

Parts underlined with dashed lines indicate modifications or amendments compared to the previous version.

