

Material Safety Data Sheet

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| 1. Material Safety Data Sheet UX 8012, UX 8011, UX 8015 | |
| - Designation Type: | Hot melt adhesive with code UX-8012 , of the product number |
| Form X: | <i>1 = slugs 2 = sticks 4 = granular 5 = Bulk Sticks</i> |
| - Producer/Supplier: | PAM Fastening Technology 2120 Gateway Blvd Charlotte, NC 28208 |
| Information: | Tel.: 704-394-3141 Email: sales@pamfast.com |
| 2. Composition / Information about components | |
| - Chemical characterization: | Hot melt adhesive based on ethyl & butyl-acrylate copolymer |
| - Further information: | no hazardous preparation |
| 3. Possible hazards | |
| No hazards at intended use. | |
| 4. First aid measures | |
| - In case of skin contact with molten hot melt adhesive: | Cooling of the skin area with much water immediately. The cold hot melt adhesive should be removed by a physician. |
| - When inhaling fume: | Consult a physician |
| 5. Fire fighting measures: | |
| If the hot melt is burning wear a respirator (oxygen breathing apparatus) independent of recirculated air. | |
| - Suitable extinguishing media: | Dry powder, foam, CO2 |
| <i>Not to be used:</i> | <i>Water, it causes splattering of hot melt adhesive.</i> |

Important Notice: The details in our sheets and other PAM publications are provided to the best of our knowledge. The contents, however, are not legally binding. In all cases we recommend that preliminary tests be carried out by the customer. In all respects our general terms of sale shall apply.

Warning: The molten adhesive and nozzle of the various tools can reach temperatures of up to 400°F. and could cause skin burns if used carelessly. Use appropriate protective gear when working with this material. Always use in well-ventilated area.



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| 6. Measures if accidentally released | | | |
| Procedures for cleaning/ pickup: | Solid waste disposal in compliance with local regulations. Cool down, then pick it up mechanically. | | |
| 7. Handling and storage | | | |
| - Handling: | Replace damaged packaging. | | |
| - Storage: | Indoor climate to be preferred. Prevent influence of heat, it may cause deformation. | | |
| 8. Exposure limits and personal protective equipment: | | | |
| - Components with limit values to be observed: | none | | |
| - Protective equipment | | | |
| - working hygiene: | Observe general rules of industry hygiene. | | |
| - respiratory protection: | When strongly overheated: ventilation. If burning: wear a respirator (oxygen breathing apparatus) independent of recirculated air. | | |
| - hand/eye protection: | Depending on hazards caused by the melting and application system and work-place conditions. | | |
| 9. Physical and chemical characterization: | | | |
| - form: |) see instruction | - explosion limits: | none |
| - colour: |) sheet | - vapor pressure: | not relevant |
| - odour: | acidulous | - density (20 °C): | see instruction sheet |
| - boiling point: | not relevant | - solubility in water (20 °C): | insoluble |
| - flash point: | > 230 °C | - pH value: | not relevant |
| - ignition temperature: | not relevant | | |
| 10. Stability and reactivity | | | |
| - Stability: | Decomposition temperature: 10 °C higher than maximum processing temperature (see instruction sheet) | | |
| | Decomposition products: CO, CO ₂ , NO _x | | |
| - Hazardous reactions: | not known | | |

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| 11. Information on toxicity | In state as delivered the material is not toxic. During processing the material, overheating causes fumes which may effect mucous membrane irritations of individual persons. |
| 12. Information on ecological effects | # Biologically not to be decomposed. WGK (water endangering class): not applicable. |
| 13. Information on disposal | Solid waste disposal in compliance with local regulations (European Waste Catalogue no. 120105) |
| 14. Information on transport | No dangerous goods as defined by transport regulations. |
| 15. Regulations | <ul style="list-style-type: none">- Designation (EC): Does not have to be designated in compliance with German regulations for dangerous materials and Directive 67/548/EEC.- National regulations (D): German accident prevention regulations (VBG 81) processing of adhesives |
| 16. Other Information | <ul style="list-style-type: none">- Corrections in the revised version have been marked with "#" on the left page margin.- The a.m. data are supported by our actual knowledge and refer to the state of material as supplied. They describe our products with regard to safety requirements and do not guarantee certain characteristics. Take application- and safety indications which are to be observed for the processing from our instruction sheet. |

Manufacturer: PAM Fastening Technology
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