Intelligent innovations in foam

Flammable Solid Organic n.o.s. / NBR
Klasse 4.1. f.g.III UN 1325
Emergency Schedule 4.1.-05 SUB Section 4-2 of MFAG

Product Identification: Latex foam
Composition: SBR/NBR
Fire Hazards Identification
Auto-ignition point: between 260°C -315°C (500-600° Fahrenheit)
Fire hazard: The product is a combustible material and causes, when burning, intense heat and dense smoke.
Melting point: The product can, when heated, also melt and flammable decomposition products can be generated. In a fire, decomposition products like carbon black, carbon monoxide, carbon dioxide, gaseous hydrocarbons and nitrogen containing products can be generated in various concentrations depending on the combustion conditions. Also corrosive gases can be generated if foam grade contains flame retardants.
Suitable fire extinguishers: Water, CO_2, dry powder, liquid foam.
Human protection in big fire: Fire fighters should use self-contained breathing apparatus.
Storage & processing: Because of the fire risks associated with certain processing operations on block foam (e.g. cutting, crumbling, solvent lamination, etc.) it is advisable to seek expert guidance on fire precautions that need to be in place.

Protective Measures in handling, storage and processing

Latex foam at normal temperature presents no risk to health. Special protective equipment and clothing is not necessary when handling foam, since it does no irritate the skin, eyes or respiratory system except in those processes where dust is produced.
Ventilation: Provided there is adequate general ventilation, no special precautions are necessary for most handling and cutting operations.
Storage: Store away from heat sources (match, cigarrette, open fire, electrical heater) UV rays may cause surface discoloration. This does not affect the foam qualitics.
Protective clothing: not required.
Other measures: no specific measures are needed at all for fully cured latex foam.

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