CONTROLLING HEALTH HAZARDS WHEN WORKING WITH TUBALL™: QUESTIONS to ASK BEFORE STARTING

See the Appendix I flowchart and Appendix IV in the SH&U guideline for TUBALL™ for general information

Applies to dry TUBALL™ powder:
- High potential for exposure: dumping bags of TUBALL™ powder, manual bagging/transfering or sawing
- Lower potential for exposure: scooping/weighing of TUBALL™ powder

Applies to TUBALL™ suspended in liquids:
- Higher potential for exposure: Swirling, open-top s/solution, producing a mist
- Lower potential for exposure: liquid splash cleaning, blander cleaning, pipetting small amounts, brushing

Applies to TUBALL™ suspended in liquids:
- Are exposure monitoring studies available?
  - YES - Follow Good Practice
  - NO - Intentionally?
- Control type A is applicable IF there is high potential for exposure
- Control type A is applicable IF there is low potential for exposure
- Control type B is applicable IF there is high potential for exposure
- Control type B is applicable IF there is low potential for exposure

Applies to TUBALL™ powder and TUBALL™ suspended in liquids:
- Carry out frequent training for employees
- Use a specific sign/pictogram, e.g. Risk of exposure to NM possible at the work area
- Use sealed/closed containers and secondary containment
- Clearly label all containers with any TUBALL™ inside

Applies to physically bound/encapsulated TUBALL™:
- Higher potential for exposure: Cutting, grinding, sanding, drilling, abrasive blasting, thermal release
- Lower potential for exposure: use of solid TUBALL™ MATRIX products, manual cutting and sanding polymer nanocomposites, painting/coating with a roller or brush

Applies to physically bound/encapsulated TUBALL™:
- Are exposure monitoring studies available?
  - YES - Follow Good Practice
  - NO - Perform an exposure monitoring study only
- Control type A is applicable
- Control type B is applicable

Applies to physically bound/encapsulated TUBALL™:
- Follow Good Practice

Applies to dry TUBALL™ powder:
- Can be used for TUBALL™ powder, manual bagging/transfering or sawing
- Lower potential for exposure: scooping/weighing of TUBALL™ powder

Applies to TUBALL™ suspended in liquids:
- Are exposure monitoring studies available?
  - YES - Follow Good Practice
  - NO - Could an aerosol be produced?
- Control types A or B are applicable

Applies to TUBALL™ suspended in liquids:
- Are exposure monitoring studies available?
  - YES - Follow Good Practice
  - NO - Can an aerosol be produced?
- Control types A or B are applicable

Applies to TUBALL™ powder:
- Full nonwoven coverall and hood
- P3 respirator type - see the table in Appendix V
- Safety glasses
- NBR (nitrile rubber) gloves or cotton gloves treated with solid bound material
- P2 respirator type if potential for dust - see the table in Appendix V

Applies to TUBALL™ powder:
- All residues resulting from the clean-up of a spill or accidental release (including filters, wipes, absorbent mats and materials) should be treated as hazardous waste

Applies to dry TUBALL™ powder:
- Nitrile gloves
- Safety goggles
- Nitrile gloves
- Double gloves (nitrile - or NBR rubber)
- P3 respirator type - see the table in Appendix V
- Full nonwoven coverall and hood

Applies to physically bound/encapsulated TUBALL™:
- Use tested and certified vacuum equipment
- Dry sweeping should be avoided
- Use tested and certified vacuum equipment
- HEPA vacuum cleaners with minimum HEPA filters are most effective
- A sticky mat – daily new
- A respirator such as a dust mask (filter P3)

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Applies to physically bound/encapsulated TUBALL™:
- Follow Good Practice

Applies to physically bound/encapsulated TUBALL™:
- Use absorbent paper/sticky mats
- Use sealed/closed containers and secondary containment
- Using a specific sign/pictogram, e.g. ‘Risk of exposure to NM possible at the work area’, is recommended
- Use sealed/closed containers with secondary containment
- Clearly label all containers with any TUBALL™ inside

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Applies to physically bound/encapsulated TUBALL™:
- Follow Good Practice

Applies to TUBALL™ powder:
- Establish an Exposure Control Plan and a Risk Assessment
- Store material in sealed containers/bags (double contained)
- Use absorbent paper/sticky mats
- Use SOPs to ensure good practices
- Follow rules of good housekeeping

Applies to TUBALL™ powder and TUBALL™ suspended in liquids:
- Carry out frequent training for employees
- Using a specific sign/pictogram, e.g. Risk of exposure to NM possible at the work area’s; is recommended
- Use sealed/closed containers and secondary containment
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