Management of special waste - MicroCity Neuchâtel only Answer the following questions in order to determine how to package and label your waste. Only stable substances that are correctly sealed and labelled will be accepted. The label must specify the research group, the producer, the date of the 1st addition to the container, a description of the content, the OMoD code and hazard pictograms. Contaminated Go to Management of contaminated material at the bottom of the chart Legend: Question Obligation Label No Completely Attention! Only for exceptional cases: unknown Email the assigned Disposal according to Label with the name of the contact person and all known chemical collection point OHS instructions information about the waste waste Action and/or information to report on the label 16 05 98 no 00 00 00 OMoD code: All radionuclide waste is managed by the radioprotection expert of the laboratory Radionuclide waste (including material (otherwise contact OHS: Go.epfl.ch/support-ohs) contaminated by radionuclides) Pay attention to incompatibilities The same OMoD code does not mean that waste can be mixed. no Explosive Contact: securite@epfl.ch no Physical Bring cylinders, sprays, cartridges to the assigned waste collection point Inform the responsible person Liquid or solid (separate the phases and treat them separately) 1) The substance is **stable** and is in its original If the substance is pyrophoric, put the content Inform the assigned responsible person, then bring the waste to the waste collection point the day before container under argon or nitrogen; 2) The container is closed with the original cap and collection (to be determined with the waste responsible person) Seal with tape (parafilm® or teflon®) the label is clearly legible no Use the SOP provided with the Transfer to a high density polyethylene (HDPE) Label: Particular waste Unstable (= reactive) waste authorisation or contact OHS ontainer once the solution has stabilised, close with a (precise all composants, Hazards and the pH) or a category 1 oxidizer (Go.epfl.ch/support-ohs) safety cap (with pressure relief valve) All unstable substances must Put in an adapted container with a safety cap Stable at - Reacts with air Put under inert atmosphere be stabilized in the laboratory Substance still Label as Particular waste - Moisture sensitive and/or (argon or nitrogen), seal and where they were (prod)used. or in a "UN" certified container (fill with ambient unstable (precise all components, hazards and the pH) - Thermally unstable For explosives, contact Nétosol® absorbent to block the flask inside) store dark temperature 2 Place in a rigid container, fill with Nétosol® absorbent Label as Particular waste · Seal and label the container to be transported refrigerated · Place in an EX refrigerator or freezer (precise all components, hazards and the pH). November 2023 – MicroCity Neuchâtel only Contains chemicals Chemical inactivation Inactivated BIO waste OR fixed/inactivated blood Contains (micro-) (cyanides, metals (with Virkon®, NaOH or others) organisms, cells (Precise the used disinfectant) Liquid and/or other) Or contains Pay attention to incompatibilitles: Do not mix with molecular kits or blood Contact: biosafety@epfl.ch nanomaterials 18 01 06 no Contact: biosafety@epfl.ch (ex: agar plats) Liquid or Double pack in sealed secondary packaging and label with: Nanomaterial - Name of the substance or mixture and the solvent(s) nanomaterials © EPFL VPO-SE-OHS v.1.10 Aqueous solution Basified cyanide waste Basify to pH > 9 with cyanides >50 (precise the components) Hydrofluoric acid waste only 20 mg/L (precise the other substances and the pH) 06 03 11 06 01 03 no Waste containing mercury Contains mercury 5 Nitric acid waste only (precise the components) or derivatives 19 (precise the other substances and the pH) 06 04 04 06 01 05 no Acidic, basic or Acidic aqueous waste without HNO₃ One single liquid phase, Acidic solution Liquid or HCIO4 (precise the main acid, the other 10 neutral aqueous (otherwise separate the phases) pH ≤ 3 substances and the **pH**) solutions 06 01 06 Basic (alkaline) aqueous waste Oil and petrol Oil waste Basic (alkaline) (precise the alkaline substance, the other solution pH ≥ 10 substances and the **pH**) Mineral salts with or 13 02 08 06 02 05 no Mineral waste without chemical residues (ex: alumina, (precise the components) used silica, silica gel) Halogenated Saline solutions, buffers and Halogenated waste substance or 16 03 03 (precise the components) molecular kits waste. ELISA **Buffered** solution solvent (> 2%) 12 (precise the components and the pH) 3 < pH < 10 Do not mix with chemically 07 01 03 inactivated BIO waste 18 01 06 To be treated case by case no Non-halogenated waste (Go.epfl.ch/support-ohs). (precise the components) **Neutral** solution Neutral waste 07 01 04 13 (precise the components and the **pH**) 3 < pH < 10 07 01 01 Management of contaminated material and objects: All pointy/sharp objects must be placed in rigid containers. Start Needles, razor blades Only dispose of in a sharpsafe needle box - Place in a grey plastic bag for toxic waste or in a rigid container & scalpels Material contaminated with mercury - Spill: place all used material (PPE, contaminated absorbent, etc.) in a white bucket, seal and label with names of absorbed product and absorbent 18 01 01 Empty chemical containers or Bring to waste collection point as it is OR Chemically contaminated Nétosol place in a white plastic bucket bottles Spill: place all used materials (PPE, contaminated absorbent, etc.) in a white bucket, seal, absorbent or label with names of absorbed product and absorbent 15 01 10 - Material contaminated with an oxidizer 16 - Place oxidizer in a rigid container and cover with universal absorbent **(b)** In case of nanomaterial contamination: double pack in sealed secondary packaging (bag or container) 15 02 02 Large contaminated object Go.epfl.ch/support-ohs "Soft" material (gloves, lab coat, tissue, etc.) or "Sharp" material (pipette tips, Put "soft" waste in a grey plastic bag for toxic waste or in a rigid container broken glass, etc.) contaminated with any - Put "sharp/pointy" waste in a rigid container (white plastic bucket) of these hazards: Material contaminated with (micro-) Thermal inactivation 17 yes (Inactivated BIO waste) - Label and precise the materials and the contaminant organisms, cells or blood (autoclave) - In case of nanomaterial contamination: double pack in sealed secondary packaging (bag or container). 18 01 06 15 02 02