**Chemical waste produced during the 2023 *Amundsen* Expedition**

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| --- | --- |
| Research program: |  |
| Name of Principal Investigator: |  |

|  |  |  |
| --- | --- | --- |
| **Category** | **Examples** | **Estimated volume of chemical waste (litres)** |
| Inorganic acids | *Nitric acid, sulphuric acid, phosphoric acid, hydrochloric acid* |  |
| Organic acids | *Acetic acid, acetic anhydride, formic acid* |  |
| Inorganic bases | Watery based sodium hydroxide, ammonium hydroxide |  |
| Oils | *Motor oils, hydraulic oils, vacuum pump oil* |  |
| Non-halogenated solvents | *Ether, diethyl ether, benzene, ethylene glycol, formaldehyde, methanol, paraformaldehyde, acetone, ethanol, glutaraldehyde* |  |
| Halogenated solvents | *Chloroform, dichloromethane* |  |
| Solid chemical waste | *Tetrazolium salt* |  |

**Radioactive waste produced during the 2023 *Amundsen* Expedition**

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| Research program: |  |
| Name of Principal Investigator: |  |
| Name(s) of radioisotope user(s) onboard |  |

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| **Category** | **Isotope (s)** | **Estimated volume***(Litres)* | **Estimated activity***(Bq or Ci)* |
| **Radioactive waste (dry)****Sharp edge waste** *e.g. 14C glass pipette tips* |  |  |  |
| **Radioactive waste (dry)****Non-sharp edge waste***e.g., 35S paper, plastic pipette tips, gloves* |  |  |  |
| **Radioactive waste (liquid)** *e.g. 32Si liquid* *Please list separately aqueous and solvent-based liquids* |  |  |  |
| **Radioactive waste (vials)** *e.g. 14C scintillation vials.* *Please give scintillation cocktail name* |  | *Please specify volume occupied by your vials if stored in bulk in a container such as a drum* |  |