

# Instructions for sorting and disposing of chemical waste at WIS

Inorganic compounds: do not contain C-H bond

Organic compounds: mostly contain C-H bond

<p>CHEMICAL WASTE פסולת כימית</p> <p>INORGANIC MATERIALS חומרים אנאורגניים</p> <p>MATERIAL: .....: החומר:</p> <p>DEPARTMENT: .....: מחלקה:</p> <p>ROOM: .....: חדר:</p>	<p>CHEMICAL WASTE פסולת כימית</p> <p>INORGANIC BASES בסיסים אנאורגניים</p> <p>MATERIAL: .....: החומר:</p> <p>DEPARTMENT: .....: מחלקה:</p> <p>ROOM: .....: חדר:</p>	<p>CHEMICAL WASTE פסולת כימית</p> <p>INORGANIC ACIDS חומצות אנאורגניות</p> <p>MATERIAL: .....: החומר:</p> <p>DEPARTMENT: .....: מחלקה:</p> <p>ROOM: .....: חדר:</p>	<p>CHEMICAL WASTE פסולת כימית</p> <p>ORGANIC COMPOUNDS חומרים אורגניים</p> <p><input type="checkbox"/> org. acids    <input type="checkbox"/> org. bases    <input type="checkbox"/> org. solvents</p> <p>MATERIAL: .....: החומר:</p> <p>DEPARTMENT: .....: מחלקה:</p> <p>ROOM: .....: חדר:</p>	<p>CHEMICAL WASTE פסולת כימית</p> <p>HALOGEN ORGANIC COMPOUNDS חומרים אורגניים הלוגניים (F, Cl, Br, I)</p> <p>MATERIAL: .....: החומר:</p> <p>DEPARTMENT: .....: מחלקה:</p> <p>ROOM: .....: חדר:</p>
<p><b>Purple sticker:</b> Inorganic Materials</p> <p>Neutral pH</p>	<p><b>Blue Sticker:</b> Inorganic Bases</p> <p>pH <math>\geq</math> 7</p>	<p><b>Red sticker:</b> Inorganic Acids</p> <p>pH <math>\leq</math> 7</p>	<p><b>Black sticker:</b> Organic Compounds (solvents, acids, bases)</p>	<p><b>Green sticker:</b> Halogen Organic Compounds (F, Cl, Br, I): Organic compounds that contain halogens</p>
<p><b>Examples:</b> NaN, H<sub>2</sub>O<sub>2</sub>, Zn, Cu, Ag, Fe, NaCl, MgCl<sub>2</sub>, Ammonium sulphate</p>	<p><b>Examples:</b> NH<sub>4</sub>, NaOH, KOH, NH<sub>4</sub>OH</p>	<p><b>Examples:</b> HCl, H<sub>2</sub>SO<sub>4</sub>, H<sub>3</sub>PO<sub>4</sub>, HNO<sub>3</sub>, HF</p>	<p><b>Examples:</b> <b>Solvents:</b> Methanol, Ethanol, Xylene, Formaline, Acetonitryl <b>Acids:</b> Acetic acid, Formic acid <b>Base:</b> Pyridine</p>	<p><b>Examples:</b> CHCl<sub>3</sub>, TCA, TFA, CH<sub>2</sub>Cl<sub>2</sub></p>

## General guidelines:

1. It is the responsibility of students/lab workers to dispose of chemical waste in the chemical waste cabinet/room.
2. Prevent unwanted chemical reactions in the waste container. **If you are not sure about the compatibility of chemicals, do not mix them.** For details see: <http://www.weizmann.ac.il/safety/chemical-safety/chemical-waste-management>
3. Always label chemicals with the appropriate stickers. It is mandatory to state the name of chemicals, department and room number on the sticker. Also, It is advised to add a phone number and the concentration of chemicals.
4. It is forbidden to dispose of chemicals in Erlenmeyer flasks, tubes etc. Use plastic containers (1-5L) or clean glass bottles up to 80% of their nominal volume.

