

SAFETY DATA SHEETS (SDS)

GUIDELINES FOR USING SDS TO MANAGE HAZARDOUS WASTE



PROPER WASTE HANDLING STARTS WITH THE SDS:

SDS provide essential information on the chemicals you work with in the laboratory. Use Safety Data Sheets to help you:

- Safely **generate, handle, and store hazardous waste.**
- Identify the **hazard classes** (flammable, toxic, acidic, etc.) of your hazardous waste.
- **Segregate waste** to prevent mixing of incompatible materials!
- Determine the **Personal Protective Equipment (PPE)** required for safe handling.
- Understand **emergency procedures** for spills, exposure, and waste management



WHAT TO LOOK FOR IN AN SDS:

- **SECTION 2: HAZARDS IDENTIFICATION:**
 - Learn about the health and physical hazards of the chemical.
 - Determine **hazard class** of a chemical.
- **SECTION 7: HANDLING AND STORAGE**
 - Guidelines on safe handling and how to store chemicals.
- **SECTION 8: EXPOSURE CONTROL AND PPE:**
 - Recommendations for minimizing exposure.
- **SECTION 10: STABILITY AND REACTIVITY**
 - Information on **incompatible materials** to avoid dangerous chemical reactions.

AVOID MIXING INCOMPATIBLE WASTES

Storing incompatible chemicals together can result in **fires, explosions, or toxic gas releases**. Always check the SDS Section 10 for reactivity information before mixing waste chemicals.

Common Incompatible Chemicals:

- Acids & Bases
- Oxidizers & Flammables
- Cyanides & Acids
- Water Reactives & Water

Need Help?

For questions about hazardous waste management or understanding SDS, contact the **NDSU Safety Office** or visit our website. *Safety Data Sheets* Training is available on NDSU Vector Solutions Training Webpage.

